

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS\*

| HITACHI ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |   |
|---|-------------------------|----------------------------------|---|
| U.S. Patent Number                        | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 4,646,103                                 |                         | 4                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.6, 3.2.9, 3.3.1, 4.2.1<br><i>Figs.:</i> 2.1.7.2-1, 4.2.1-2<br><i>Table:</i> 3.2.9-1<br><i>Pages:</i> PH1-9, PH2-23, PH3-12, 13, 17, PH4-3, 4                                    |
| 5,586,108                                 |                         | 12                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.2, 3.2.7, 3.2.8, 3.2.9<br><i>Figs.:</i> 3.2-1, 3.2.7-1, 3.2.8-1, 3.2.9-1<br><i>Pages:</i> PH3-2, 9 to 12  |
| 5,768,298                                 |                         | 19                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.8, 3.2.9<br><i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1<br><i>Pages:</i> PH3-2, 3, 9, 11, 12  |
| 5,983,387                                 | KR 239,236              | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.8, 3.2.9<br><i>Annex:</i> T<br><i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1, 3.2.9-1, T1<br><i>Pages:</i> PH2-1, PH3-2, 3, 9, 11, 12, PHX-T1 |
| 6,076,184                                 | KR 239,238              | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.1, 3.2.2, 3.2.9<br><i>Annex:</i> T<br><i>Figs.:</i> 3.2.1-1, 3.2.9-1<br><i>Pages:</i> PH2-1, PH3-2, 3, 12, PHX-T1   |

\* This report shows *illustrative* essential claims of each patent. Other patent claims also may be essential. Additionally, citations to the DVD specifications reflect one mapping of the representative claim to the DVD specifications. Other mappings of the representative claim or other claims in the patent to the DVD specifications may also be possible.

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| U.S. Patent Number                        | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 6,140,028                                 |                         | 1                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.1, 2.1.3.2, 2.1.3.8, 4.1.2<br><i>Figs.:</i> 2.1.1-1, 2.1.3.8-1, 2.1.4-1<br><i>Pages:</i> PH2-1, 4, 6, 7, 12, PH4-1  |
| 6,314,542                                 |                         | 4                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 2.1.1, 2.2.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.9, 3.4.1.1, 3.4.1.4.1, 4.2.1, 4.2.2<br><i>Annex:</i> T<br><i>Figs:</i> 2.1.1-1, 2.2.1-1, 3.2-1, 3.2.1-1<br><i>Table:</i> 3.2.9-1<br><i>Pages:</i> PH1-1, PH2-1, 25, PH3-1 to 3, 12, 13, 28, 36-3, PH4-3, 6, PHX-T1 |

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| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |   |                                  |   |
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| U.S. Patent Number                    | Reported Counterpart(s)                                       | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 5,014,274                             | EP 337,702<br>(DE, FR, GB, NL);<br>HK 1,000,543;<br>KR 59,670 | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.2, 3.2.2, 3.2.6<br><i>Figs.:</i> 3.2-1, 3.2.6-1<br><i>Table:</i> 3.2.6-1<br><i>Pages:</i> PH3-2, 3, 8   |
| 5,949,750                             |   | 3                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 2.1.1, 3.1.1, 3.1.4, 3.2.6<br><i>Fig.:</i> 3.2.6-1<br><i>Table:</i> 3.2.6-1<br><i>Pages:</i> PH1-1, PH2-1, PH3-1, 8  |
| 6,965,555                             |   | 16                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 2.1.6, 2.1.8.2, 2.2.1, 2.2.7.1, 2.2.7.3, 3, 3.1.1, 3.1.3, 3.2, 3.2.2, 3.4.1.1, 3.4.1.4, 4, 4.1.1<br><i>Annex:</i> Y<br><i>Figs.:</i> 2.2.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 3.4.1.4-2, 3.4.1.4-3, Y-1<br><i>Pages:</i> PH1-1, PH2-16, 17, 24-2, 24-3, 25, 35, 37, 39, PH3-1 to 3, 28, 36, 37, PH4-1, PHX-Y1 |
| 7,161,889                             |   | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.5, 1.6, 2.1.6, 2.2.1, 3.2.4, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.4, 3.4.1.4.1, 4.1.4.1, 4.2.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.4.1.1-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 17, 25, PH3-4, 6, 9, 28 to 30, PH4-2 to 5, PHX-T1    |

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| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
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| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 7,411,892                             |                         | 2                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.6.10, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.6.4, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.2.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.2.1-3, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 2, 6 to 8, 10, 12, PH2-4, 13, 16, 24-3, 25, 28, 32, 34, 35, 41, PH3-1, 28, 36, PH4-1, 2, 5, 24, 25, 28, PHX-H1</p> |
| 7,414,944                             |                         | 5                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br/> <i>Annex:</i> T<br/> <i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.8-1, 4.1.4-1, T-1<br/> <i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br/> <i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 35, 36, 36-3, 36-12, 37, PH4-2, PHX-T1</p>                         |

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| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
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| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 7,471,608                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 35, 36, 36-3, 36-12, 37, PH4-2, PHX-T1  |
| 7,471,619                             |                         | 3                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.2, 3.3, 3.3.1, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br><i>Annex:</i> H<br><i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br><i>Pages:</i> PH1-1, 6, 8 to 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 2, 16, 17, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1  |
| 7,515,518                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.1, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.4.2, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.4-2, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 35, 36, 36-2, 36-3, 36-12, 37, PH4-2, PHX-T1 |

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| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 7,525,900                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1, 4.2.3<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1, 4.2.3-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 28 to 30, 35, 36, 36-3, 36-12, 37, PH4-2, 8, PHX-T1                     |
| 7,525,901                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.1.2.1, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.4.2, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-2, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 28 to 30, 35, 36, 36-2, 36-3, 36-12, 37, PH4-2, PHX-T1 |
| 7,532,561                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 35, 36, 36-3, 36-12, 37, PH4-2, PHX-T1       |

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| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 7,539,112                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.2.2-2, 3.4.1.4.1-1, 3.4.1.4.1-2, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 28 to 30, 33, 35, 36, 36-3, 36-6, 36-12, 37, PH4-2, PHX-T1                                  |
| 7,539,120                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.2.2-2, 3.4.1.4.1-1, 3.4.1.4.1-2, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 33, 35, 36, 36-3, 36-6, 36-12, 37, PH4-2, PHX-T1 |
| 7,567,492                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.2.2-2, 3.4.1.4.1-1, 3.4.1.4.1-2, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 33, 35, 36, 36-3, 36-6, 36-12, 37, PH4-2, PHX-T1 |

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| 7,567,500                             |                         | 3                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.6.3, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.2, 3.3, 3.3.1, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 2, 6, 8 to 10, 12, PH2-4, 13, 16, 24-3, 25, 28, 32, 35, 41, PH3-1, 2, 16, 17, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p> |
| 7,570,572                             |                         | 3                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.6.3, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.2, 3.3, 3.3.1, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 2, 6, 8 to 10, 12, PH2-4, 13, 16, 24-3, 25, 28, 32, 35, 41, PH3-1, 2, 16, 17, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p> |

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| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 7,570,573                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.6.10, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.6.4, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br><i>Annex:</i> H<br><i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br><i>Pages:</i> PH1-1, 2, 6, 8, 10, 12, PH2-4, 13, 16, 24-3, 25, 28, 32, 34, 35, 41, PH3-1, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1 |
| 7,570,574                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.1, 4.1.2, 4.1.4, 4.1.4.1, 4.2.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br><i>Annex:</i> H<br><i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.2.1-3, 4.3.1-1<br><i>Pages:</i> PH1-1, 6 to 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 28, 36, PH4-1, 2, 5, 24, 25, 28, PHX-H1        |
| 7,577,082                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.2, 3.3, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br><i>Annex:</i> H<br><i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br><i>Pages:</i> PH1-1, 6, 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 2, 16, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1                   |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |   |
|---------------------------------------|-------------------------|----------------------------------|---|
| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 7,577,083                             |                         | 3                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.6, 1.7, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.1.8.3, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 2.2.8.2.b, 3.1.4, 3.2.2, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 6 to 8, 10, 12, 13, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, 41-2, PH3-1, 3, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p> |
| 7,580,343                             |                         | 2                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.1.8.3, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.7.3.c, 2.2.8.1.a, 2.2.8.2.b, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 6 to 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 40, 41, 41-2, PH3-1, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p>     |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |   |
|---------------------------------------|-------------------------|----------------------------------|---|
| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 7,583,579                             |                         | 2                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.1, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.4.2, 3.4.1.7, 3.4.1.8, 4.1.4.1<br/> <i>Annex:</i> T<br/> <i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.4-2, 3.4.1.8-1, 4.1.4-1, T-1<br/> <i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br/> <i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 35, 36, 36-2, 36-3, 36-12, 37, PH4-2, PHX-T1</p> |
| 7,586,832                             |                         | 5                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.1, 2.1.3.2, 2.2.8.2, 3.2.7, 3.2.8, 3.4.1.1, 3.4.1.4, 4.1.1, 4.1.4.1, 4.1.4.2<br/> <i>Figs.:</i> 2.1.1-1, 3.2.8-1, 3.4.1.1-1, 3.4.1.4-1, 4.2.1-3<br/> <i>Pages:</i> PH1-1, 2, 7, 8, PH2-1, 4, 2-41-2, PH3-9, 11, 28, 36, PH4-1, 2, 5, 8, 24</p>  |
| 7,599,280                             |                         | 3                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 6, 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p>  |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
|---------------------------------------|-------------------------|----------------------------------|--|
| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 7,636,288                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.2.10, 3.4.1.1, 3.4.1.2, 3.4.1.2.1, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.4.2, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.2.10-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.4-1, 3.4.1.4-2, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.2.2-2, 3.4.1.4.1-1, 3.4.1.4.1-2, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 14, 28 to 30, 33, 35, 36, 36-2, 36-3, 36-6, 36-12, 37, PH4-2, PHX-T1 |
| 7,764,590                             |                         | 1                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.6, 2.2.1, 3.2, 3.2.4, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.1.2.2, 3.4.1.3, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 3.4.1.8, 4.1.4.1<br><i>Annex:</i> T<br><i>Figs.:</i> 2.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.2-1, 3.4.1.8-1, 4.1.4-1, T-1<br><i>Tables:</i> 3.4.1.2.2-1, 3.4.1.4.1-1, 3.4.1.8-1<br><i>Pages:</i> PH1-1, 6, 8, PH2-16, 25, PH3-2, 4, 9, 28 to 30, 35, 36, 36-3, 36-12, 37, PH4-2, PHX-T1   |
| 7,817,531                             |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.1, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br><i>Annex:</i> H<br><i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br><i>Pages:</i> PH1-1, 6 to 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1   |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |   |
|---------------------------------------|-------------------------|----------------------------------|---|
| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 7,821,911                             |                         | 2                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 2, 6, 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p>                                  |
| 7,826,335                             |                         | 2                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 2, 6, 8, 10, 12, PH2-4, 13, 24-3, 25, 28, 32, 35, 41, PH3-1, 28, 36, PH4-1, 2, 24, 25, 28, PHX-H1</p>                                  |
| 7,898,934                             |                         | 2                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.1.5, 2.1.5.5, 2.1.7.3, 2.1.8.2.c, 2.2.1, 2.2.3.2, 2.2.7.1.a, 2.2.8.1.a, 3.1.4, 3.4.1.1, 3.4.1.4, 4.1.2, 4.1.4, 4.1.4.1, 4.2.1, 4.3.1, 4.3.1.1, 4.3.2.1, 4.3.2.2<br/> <i>Annex:</i> H, N<br/> <i>Figs.:</i> 2.2.1-1, 2.2.4.1-1, 3.1.4-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, 4.2.1-3, 4.3.1-1<br/> <i>Pages:</i> PH1-1, 6 to 8, 10, 12, PH2-4, 13, 21, 24-3, 25, 28, 32, 35, 41, PH3-1, 28, 36, PH4-1, 2, 5, 24, 25, 28, PHX-H1, N1</p> |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| JVC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
|---------------------------------------|-------------------------|----------------------------------|--|
| U.S. Patent Number                    | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 7,920,460                             |                         | 5                                | DVD-RW, Part 1:<br><i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.1, 2.1.3.2, 2.1.7.2, 2.2.7.1, 3.4.1.1, 3.4.1.2, 3.4.1.3, 3.4.1.4, 3.4.1.5, 3.4.1.6, 3.4.1.7, 3.4.1.8, 4.1.4, 4.1.4.1<br><i>Figs.:</i> 2.1.1-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1<br><i>Pages:</i> PH1-1, 2, 8, PH2-1, 4, 20, 35, PH3-28, 29, 35, 36, 36-12, 37, PH4-1, 2 |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| MITSUBISHI ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
|--|-------------------------|----------------------------------|--|
| U.S. Patent Number                           | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 6,151,292                                    |                         | 7                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7<br><i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1<br><i>Pages:</i> PH3-1 to 3, 9   |
| 6,163,522                                    |                         | 3                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.1, 2.1.6.4, 2.2.6.5, 2.2.7.3, 3.1.1, 3.1.4, 3.2.9, 4.1.1, 4.1.4, 4.1.4.2, 4.2.1, 4.2.2, 4.2.3.1, 4.2.3.2<br><i>Figs.:</i> 2.2.7.3-1, 2.2.7.3-3, 3.1.4-1, 4.1.4-1, 4.2.1-1, 4.2.1-3, 4.2.3.2-1<br><i>Pages:</i> PH2-1, 16, 34, 37, 38, 40, PH3-1, 12, PH4-1 to 6, 9   |
| 6,529,451                                    |                         | 12                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.1, 2.1.3.2, 2.2.3.2, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.4.1.1, 3.4.1.2, 3.4.2.2, 4.3.2.1, 4.3.2.2, 4.3.2.2.1.1, 4.3.2.2.2.1, 4.3.2.2.3.1<br><i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1, 3.4.1.1-1, 3.4.1.2-1, 4.3.2.1-1<br><i>Tables:</i> 3.4.1.2.2-1, 4.3.2.2.1.1-1, 4.3.2.2.2.1-1, 4.3.2.2.3.1-1<br><i>Pages:</i> PH1-1, 2, 11, PH2-1, 4, 28, PH3-1 to 3, 9, 28 to 30, 32, PH4-25, 28 to 30, 39, 40, 44, 45 |
| 6,930,965                                    |                         | 2                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.2, 1.6, 2.1, 2.1.3.2, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.7, 3.2.9<br><i>Figs.:</i> 3.1.4-1, 3.2-1, 3.2.1-1, 3.2.7-1<br><i>Pages:</i> PH1-1, 2, 11, PH2-1, 4, PH3-1 to 3, 9, 12   |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| PANASONIC ESSENTIAL DVD-RW PLAYBACK PATENTS |                            |                                  |   |
|---|----------------------------|----------------------------------|---|
| U.S. Patent Number                          | Reported Counterpart(s)    | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 5,276,674                                   |                            | 4                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.2, 2.1.1, 2.1.3.2, 2.1.5.1, 2.1.6.10, 3.2.7, 3.2.9<br><i>Figs.:</i> 2.1.1-1, 2.1.5-1, 3.2.7-1, 3.2.9-1<br><i>Pages:</i> PH1-2, PH2-1, 4, 13, 14, 16, PH3-9, 12            |
| 5,546,427                                   |                            | 9                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.2.9, 3.3, 3.3.3<br><i>Fig.:</i> 3.2.9-1<br><i>Table:</i> 3.2.9-1<br><i>Pages:</i> PH3-12, 13, 16, 19  |
| 5,808,979                                   |                            | 1                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.2, 2.1.1, 2.1.3.2, 2.1.7.1, 2.1.7.2<br><i>Annex:</i> I.1, I.2<br><i>Figs.:</i> 2.1.1-1, 2.1.7.2-1, I.1-1<br><i>Pages:</i> PH1-1, 2, PH2-1, 4, 19, 20, 23, PHX-I1, I3 |
| 5,850,379                                   | EP 686,968<br>(DE, FR, GB) | 1                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.1.1, 3.1.4, 3.2, 3.2.2, 3.2.6, 3.3.3<br><i>Fig.:</i> 3.2-1<br><i>Pages:</i> PH3-1 to 3, 8, 16   |
| 6,128,388                                   |                            | 11                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.6, 2.1.3.2, 2.1.3.3, 2.1.6.13, 2.2.3.2, 3.3.1<br><i>Annex:</i> T, X.1, X.4<br><i>Fig.:</i> 1.6-1<br><i>Pages:</i> PH1-9, PH2-4, 17, 28, PH3-17, PHX-T1, X1                |
| 6,144,742                                   |                            | 5                                | <b>DVD-RW, Part 1:</b><br><i>Sec.:</i> 2.1.6.5<br><i>Annex:</i> X.1 to X.3, X.5.2, X.7<br><i>Figs.:</i> 2.1.6-1, X.1-1, X.5-1<br><i>Pages:</i> PH2-16, 18, PHX-X1 to X4   |

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| PANASONIC ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
|---|-------------------------|----------------------------------|--|
| U.S. Patent Number                          | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 6,285,764                                   |                         | 4                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 2.1.3.2, 3.3.3<br><i>Annex:</i> X.1, X.4<br><i>Tables:</i> 3.3-1, 3.3-2<br><i>Pages:</i> PH1-1, PH2-4, PH3-19 to 27, PHX-X1   |
| 6,298,138                                   |                         | 3                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 2.1.3.2, 2.1.6.3, 2.1.6.5, 2.1.6.10, 3.1.4, 3.2.1, 3.2.2, 3.2.9, 3.3.3, 3.4.1.1, 3.4.1.4, 3.4.1.4.1, 3.4.1.7, 4.1.4.1, 4.1.4.2<br><i>Annex:</i> X.1 to X.4, X.5.3, X.9.3<br><i>Figs.:</i> 3.1.4-1, 3.2.1-1, 3.4.1.1-1, 3.4.1.4-1, 4.1.4-1, X.2-1, X.5-1, X.9-1<br><i>Tables:</i> 3.3-1, 3.3-2, 3.4.1.4.1-1<br><i>Pages:</i> PH1-1, PH2-4, 16, PH3-1 to 3, 12, 19 to 28, 36, 36-3, 36-6, 36-7, PH4-2, PHX-X1, X3, X6, X7 |
| 6,600,706                                   |                         | 6                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.1, 2.1.3.2, 2.1.6, 3.4.1.1, 3.4.1.4, 3.4.1.4.1, 4.1.4.1, 4.1.4.2, 4.3.1<br><i>Annex:</i> X.1 to X.4<br><i>Figs.:</i> 2.1.1-1, 3.4.1.1-1, 4.1.4-1, 4.3-1, X.2-1<br><i>Tables:</i> 3.3-1, 3.3-2, 3.4.1.4.1-1<br><i>Pages:</i> PH1-1, 2, 9, 12, PH2-1, 4, 16, PH3-16, 17, 19 to 28, 36, 36-3, 36-6, PH4-2, 24, PHX-X1  |
| RE 39,771                                   |                         | 36                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.6, 2.1.3.2, 3.1.4, 3.2, 3.2.2, 3.2.6<br><i>Annex:</i> T<br><i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.6-1, T-1<br><i>Table:</i> 3.2.6-1<br><i>Pages:</i> PH1-6, 11, PH2-4, PH3-1 to 3, 8, PHX-T1  |

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| PANASONIC/TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS |  |                                  |   |
|---|--|----------------------------------|---|
| U.S. Patent Number                                  | Reported Counterpart(s)  | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 5,732,066   | TW 84,703  | 19                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.6.5, 2.1.6.10, 3.1.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.6, 3.4.1.1<br><i>Figs.:</i> 2.1.6-1, 3.2-1, 3.2.1-1, 3.2.6-1, 3.4.1.1-1<br><i>Pages:</i> PH2-16, 18, PH3-1 to 3, 8, 28                        |
| 5,790,569   | KR 255,105;<br>TW 89,851   | 19                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.2.1, 3.2.7, 3.2.8<br><i>Figs.:</i> 3.2.7-1, 3.2.8-1<br><i>Pages:</i> PH3-2, 9, 11   |
| 5,867,475   | CA 2,217,005;<br>CN ZL 96194622.9;<br>EP 820,629<br>(AT, BE, CH, DE, FR, GB, LI,<br>NL)<br>(Lapsed in ES, IT, LU, SE);<br>HK 1,008,610;<br>ID 8,062 (ID 960,933);<br>IN 193,416;<br>SG 46,792;<br>TH 14,818;<br>VN 1,400 | 25                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.3.2, 2.1.6.5, 2.1.6.10, 3.1.1, 3.1.4, 3.2, 3.2.1, 3.2.2, 3.2.6, 3.3.3, 3.4.1.1<br><i>Figs.:</i> 2.1.6-1, 3.2-1, 3.2.1-1, 3.2.6-1, 3.4.1.1-1<br><i>Pages:</i> PH2-4, 16, 18, PH3-1 to 3, 8, 19, 28 |

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| PANASONIC/TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS |   |                                  |   |
|---|---|----------------------------------|---|
| U.S. Patent Number                                  | Reported Counterpart(s)   | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 5,881,037   | CA 2,192,062;<br>CN ZL 96190546.8;<br>EP 764,327<br>(AT, BE, CH, DE, ES, FR, GB,<br>IT, LI, LU, NL, SE);<br>HK 1,005,837;<br>ID 5,094 (ID 960,868);<br>KR 377,524;<br>MX 211,803;<br>MY 112,830;<br>PH 52,831;<br>SG 36,463;<br>TH 16,120;<br>TW 126,249;<br>VN 1,152 | 14                               | DVD-RW, Part 1:<br><i>Secs.:</i> 3.2, 3.2.9, 3.3, 3.3.1<br><i>Figs.:</i> 3.2-1, 3.2.9-1<br><i>Table:</i> 3.2.9-1<br><i>Pages:</i> PH3-2, 12, 13, 16, 17 |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| PANASONIC/TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS |  |                                  |   |
|---|--|----------------------------------|---|
| U.S. Patent Number                                  | Reported Counterpart(s)  | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 5,912,869   | AU 708,923;<br>BR PI 9606290-8;<br>CA 2,191,702;<br>CN ZL 96190540.9;<br>EP 763,239<br>(AT, BE, CH, DE, DK, ES, FI,<br>FR, GB, GR, IE, IT, LI, LU, NL,<br>SE);<br>HK 1,004,647;<br>ID 11,625;<br>IN 193,096;<br>KR 377,523;<br>MX 196,771;<br>MY 112,963;<br>NO 318,893;<br>SG 35,867;<br>TW 84,702;<br>VN 1,480 | 39                               | DVD-RW, Part 1:<br><i>Secs.:</i> 1.1, 1.2, 1.6, 2.1.7.1(b), 3.2.9, 3.2, 3.3<br><i>Figs.:</i> 1.6-1, 2.1.7.2-1, 3.2.9-1<br><i>Table:</i> 3.2.9-1<br><i>Pages:</i> PH1-1, 2, 6, 9, PH2-19, 23, PH3-12, 13, 16 |
| 6,182,263   | CA 2,190,985;<br>VN 1,269  | 1                                | DVD-RW, Part 1:<br><i>Secs.:</i> 3.2.1, 3.2.7, 3.2.8<br><i>Figs.:</i> 3.2.1-1, 3.2.7-1, 3.2.8-1<br><i>Pages:</i> PH3-2, 9, 11   |

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| SAMSUNG ESSENTIAL DVD-RW PLAYBACK PATENTS |  |                                  |  |
|---|--|----------------------------------|--|
| U.S. Patent Number                        | Reported Counterpart(s)  | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| 6,389,570                                 | CN ZL 02140736.3;<br>CN ZL 02140737.1;<br>CN ZL 99109257.0;<br>EP 1,306,846 (DE, FR, GB, NL);<br>HK 1,049,730;<br>HK 1,049,731;<br>ID 19,621;<br>IN 218,704;<br>KR 382,639 | 1                                | <b>DVD-RW, Part 2:</b><br><i>Secs.:</i> 1.1, 2.1, 3.1, 3.2, 3.6, 3.6.1, 3.6.2, 3.6.3, 3.8, 3.8.2, 3.9<br><i>Annex:</i> B to E, F.3.3, G.3.6 to G.3.8<br><i>Fig.:</i> 3.1-1<br><i>Tables:</i> 3.2-1, 3.6.1-1, 3.6.2-1, 3.6.3-1, 3.6.3-2, B.3.2-1<br><i>Pages:</i> FS1-1, FS2-1, FS3-1 to 4, 14 to 24, 34 to 36, FSX-B1 to B6, C1 to C10, D1, D2, E1 to E5, F29, F30, G39 to G42 |
| 6,775,803                                 | ID 19,536;<br>MY 135,303   | 49                               | <b>DVD-RW, Part 2:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1, 3.1, 3.2, 3.5.2, 3.6, 3.6.1, 3.6.2, 3.6.3, 3.8, 3.8.2, 3.9<br><i>Annex.:</i> B, C.1, C.2, C.3<br><i>Figs.:</i> 3.1-1, C.2-1<br><i>Tables:</i> 3.6.3-1, 3.6.3-2, B.3.2-1<br><i>Pages:</i> FS1-1, 13, FS2-1, FS3-1 to 4, 12, 14 to 24, 34 to 36, FSX-1, FSX-B1 to B6, FSX-C1, C3 to C6                                    |
| 7,042,820                                 | SG 153,642   | 17                               | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.2.3.2, 3.2.10, 4.3.2.1, 4.3.2.2, 4.3.2.2.3.5<br><i>Figs.:</i> 3.2.10-1, 3.2.10-6, 4.3.2.1-1, 4.3.2.2.3.5-1<br><i>Pages:</i> PH1-1, 8, 9, PH2-4, 28, PH3-14, 15, PH4-25, 28, 50, 51  |

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| SAMSUNG ESSENTIAL DVD-RW PLAYBACK PATENTS |                                |                                  |   |
|---|--------------------------------|----------------------------------|---|
| U.S. Patent Number                        | Reported Counterpart(s)        | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 7,068,918                                 | CN ZL 02140734.7;<br>ID 19,637 | 1                                | <b>DVD-RW, Part 2:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1, 3.1, 3.2, 3.5.2, 3.6, 3.6.1, 3.6.2, 3.6.3, 3.8, 3.8.2, 3.9<br><i>Annex.:</i> B, C.1, C.2, C.3<br><i>Figs.:</i> 3.1-1, C.2-1<br><i>Tables:</i> 3.6.3-1, 3.6.3-2, B.3.2-1<br><i>Pages:</i> FS1-1, 13, FS2-1, FS3-1 to 4, 12, 14 to 24, 34 to 36, FSX-1, FSX-B1 to B6, FSX-C1, C3 to C6 |
| 7,283,729                                 |                                | 1                                | <b>DVD-RW, Part 2:</b><br><i>Secs.:</i> 1.1, 3.6, 3.6.1, 3.6.3, 3.8.2<br><i>Tables:</i> 3.6.1-1, 3.6.3-1, 3.6.3-2<br><i>Pages:</i> FS1-1, FS3-14, 15, 23, 24, 35  |
| 7,286,460                                 |                                | 6                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 3.4.1.1, 3.4.1.2.2, 3.4.1.4, 3.4.1.4.1<br><i>Annex.:</i> DD<br><i>Figs.:</i> 3.4.1.4-1, 3.4.1.4-2, DD-1<br><i>Table:</i> 3.4.1.4.1-1<br><i>Pages:</i> PH1-1, PH3-28, 33-4, 36, 36-2, 36-3, 36-9, PHX-DD1   |
| 7,286,751                                 |                                | 1                                | <b>DVD-RW, Part 2:</b><br><i>Secs.:</i> 1.1, 3.6, 3.6.1, 3.6.3, 3.8.2<br><i>Tables:</i> 3.6.1-1, 3.6.3-1, 3.6.3-2<br><i>Pages:</i> FS1-1, FS3-14, 15, 23, 24, 35  |
| 7,483,350                                 |                                | 7                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.1, 1.6, 2.1.3.2, 2.2.3.2, 3.2.10, 4.3.2.1, 4.3.2.2, 4.3.2.2.3.5<br><i>Figs.:</i> 3.2.10-1, 3.2.10-6, 4.3.2.1-1, 4.3.2.2.3.5-1<br><i>Table:</i> 4.3.2.2-1<br><i>Pages:</i> PH1-1, 8, 9, PH2-4, 28, PH3-14, 15, PH4-25, 28, 50, 51  |

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| SAMSUNG ESSENTIAL DVD-RW PLAYBACK PATENTS |   |                                  |  |
|---|---|----------------------------------|--|
| U.S. Patent Number                        | Reported Counterpart(s)   | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| (6,467,061)                               | CN ZL 02140738.X;<br>EP 1,150,293<br>(DE, FR, GB, NL);<br>EP 1,249,838<br>(DE, FR, GB, NL);<br>HK 1,049,732;<br>PH 1-2002-000465;<br>SG 115,483 | .                                | DVD-RW, Part 2:<br><i>Sec.:</i> 1.1, 3.1, 3.10<br><i>Fig.:</i> 3.1-1<br><i>Pages:</i> FS-1, FS3-1, 2, 42 |

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\* This US patent has been found essential for disc only. However, the counterparts are listed for playback because the playback claim is substantially similar to the essential US disc claim.

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| TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |   |
|---|-------------------------|----------------------------------|---|
| U.S. Patent Number                        | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification  |
| 5,587,991                                 | KR 191,944              | 6                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.3.2, 3.2.9, 3.3.2, 3.3.3<br><i>Table:</i> 3.2.9-1<br><i>Pages:</i> PH2-4, PH3-12, 13, 18, 19  |
| 5,708,651                                 |                         | 5                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 1.2, 2.1.1, 2.1.4.2, 2.1.5.1, 2.1.5.3, 2.1.5.5, 2.2.3, 2.2.8, 3.4.1.1, 3.4.1.4<br><i>Figs.:</i> 2.1.1-1, 2.1.4-1, 2.1.5-1, 2.1.5-2, 2.2.4.1-1, 3.4.1.1-1, 3.4.1.4-1, 3.4.1.4-2<br><i>Table:</i> 3.4.1.4.1-1<br><i>Pages:</i> PH1-2, PH2-1, 10, 12 to 15, 28, 32, 41, PH3-28, 36, 36-2, 36-3 |
| 5,956,306                                 |                         | 4                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 2.1.3.2, 3.2, 3.2.1, 3.2.2, 3.2.3, 3.2.7, 3.2.8, 3.2.9<br><i>Figs.:</i> 3.2-1, 3.2.1-1, 3.2.7-1, 3.2.8-1<br><i>Pages:</i> PH2-4, PH3-2 to 4, 9, 11, 12  |
| 6,182,263                                 |                         | 1                                | <b>DVD-RW, Part 1:</b><br><i>Secs.:</i> 3.2.1, 3.2.7, 3.2.8<br><i>Figs.:</i> 3.2.1-1, 3.2.7-1<br><i>Pages:</i> PH3-2, 9, 11   |

## SUMMARY REPORT OF ESSENTIAL DVD-RW PLAYBACK PATENTS

| TOSHIBA ESSENTIAL DVD-RW PLAYBACK PATENTS |                         |                                  |  |
|---|-------------------------|----------------------------------|--|
| U.S. Patent Number                        | Reported Counterpart(s) | Representative Claim(s) - (U.S.) | DVD-RW Specification   |
| RE 38,643                                 |                         | 5                                | <p><b>DVD-RW, Part 1:</b><br/> <i>Sec.:</i> 1.2, 1.6, 2.1.5, 2.1.5.1, 2.1.5.3, 2.1.5.5, 2.1.6, 2.1.7, 2.1.8, 2.2, 2.2.3.2, 2.2.5.1, 2.2.6.4, 2.2.7, 2.2.8, 3.1.1, 3.4.1, 3.4.1.4, 4.1.1<br/> <i>Annex:</i> C.1<br/> <i>Figs.:</i> 2.1.5-1, 2.1.5-2, 2.1.7.2-1, 2.2.1-1, 2.2.4.1-1, 2.2.7.1-1, C.1-1<br/> <i>Pages:</i> PH1-1, 2, 12, PH2-1, 13 to 16, 19, 23, 24-2, 25, 28, 32 to 36, 41, PH3-1, 28, 36, PH4-1, PHX-C1</p> |