

## The World's First Laser Disc (LD) Player Using a Semiconductor Laser

|                   |                    |                       |            |
|-------------------|--------------------|-----------------------|------------|
| Registration No.  | Number 00202       |                       |            |
| Registration Date | September 15, 2015 | Registration Category | Category 1 |

  

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| Name<br>(Model, etc.)     | LD-7000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |
| Location                  | Kawagoe, Saitama                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
|                           | Pioneer Corporation Headquarters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| Owner<br>(Custodian)      | Pioneer Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| Manufacturer<br>(Company) | Pioneer Corporation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |
| Year Manufactured         | 1983                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| Year first appeared       | 1983                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
| Reason For<br>Selection   | <p>The world's first laser disc (LD) player using a semiconductor laser. In contrast to previous LD players, which used a He-Ne gas laser, the use of a semiconductor laser like the compact disc (CD) players that were emerging at the time made it possible to make these players smaller, more stable and lower cost. To use a semiconductor laser, there were a number of technical challenges with the player, because of the fact that the semiconductor laser having a longer wavelength at 780nm than that of the He-Ne laser at 632nm and a wide dispatch spectrum, and the fact that LD signal be recorded in analog made it sensitive to playback the signal by the pickup(PU). However, the technical development and know-how accumulated to produce this player resulted in widespread popularization of the LD player.</p> |  |  |
| Registration<br>Standard  | 2-A ( Played a notable role in improving people's way of life and creating new ways of living. )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |

  

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|--------------------------|------------------|
| Open/Closed<br>to Public | Closed to public |
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| Photo                       |  |
| Other useful<br>information |                                                                                      |