


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
Name (Model, etc.)	LD-7000		
Location	Kawagoe, Saitama		
	Pioneer Corporation Headquarters		
Owner (Custodian)	Pioneer Corporation		
Manufacturer (Company)	Pioneer Corporation		
Year Manufactured	1983		
Year first appeared	1983		
Reason For 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 Standard	2-A (Played a notable role in improving people's way of life and creating new ways of living.)		
Open/Closed to Public	Closed to public		
Photo			
Other useful information			