

Title (en)

AN OPTICAL DISC WITH DIFFERENT WOBBLE PATTERNS IN DIFFERENT GROOVES

Title (de)

OPTISCHE PLATTE MIT VERSCHIEDEN GEWOBBELTEN RILLEN

Title (fr)

DISQUE OPTIQUE PRESENTANT DES SILLONS AVEC DIFFERENTS MOTIFS ONDULES

Publication

**EP 1438717 B8 20071010 (EN)**

Application

**EP 02777849 A 20021016**

Priority

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- JP 2001318381 A 20011016

Abstract (en)

[origin: US2005058056A1] The S/N ratio is improved for recording data to grooves (2-1,2-2) of an optical disc so that as much information as possible can be recorded at the lowest possible frequency band. An optical disc using wobble patterns to record different information has a first groove (2-1) having a first wobble pattern (22) in which one wobble period has a sharp rising edge and a gradual falling edge; and a second groove (2-2) having a second wobble pattern (24) in which one wobble period has a gradual rising edge and a sharp falling edge. Each of the first and the second wobble pattern is represented by a first fundamental and a second harmonic of a Fourier series. The polarity of the second harmonic, which is an even harmonic, of the second wobble pattern is opposite that of the first wobble pattern. A method for manufacturing this optical disc is also provided.

IPC 8 full level

**G11B 7/24082** (2013.01); **G11B 7/007** (2006.01); **G11B 7/26** (2006.01); **G11B 27/19** (2006.01); **G11B 27/24** (2006.01)

CPC (source: EP KR US)

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