

Title (en)

HIGH DENSITY WRITE-ONCE RECORDING MEDIUM ALLOWING DEFECT MANAGEMENT, AND METHOD AND APPARATUS FOR MANAGING DEFECTS

Title (de)

DICHTE, EINMAL BESCHREIBBARES AUFZEICHNUNGSMEDIUM, DASS DEFECTVERWALTUNG ERLAUBT; UND VERFAHREN UND VORRICHTUNG ZUR VERWALTUNG VON DEFECTEN

Title (fr)

SUPPORT D'ENREGISTREMENT NON REINSCRIPTIBLE HAUTE DENSITE PERMETTANT LA GESTION DE DEFAULTS, PROCEDE ET APPAREIL DE GESTION DE DEFAULTS

Publication

**EP 1550123 A4 20090916 (EN)**

Application

**EP 03730893 A 20030605**

Priority

- KR 0301113 W 20030605
- KR 20020047515 A 20020812

Abstract (en)

[origin: WO2004015707A1] A high density write-once recording medium allowing defect management, and a method and apparatus for managing defects are provided. According to the high density writing-once recording medium, data is written to the recording medium in tracks or clusters, the written data is verified, and if a defect is found a defective portion is skipped and data corresponding to the defective portion and the following written data are rewritten on a next available recording location. The defect management method using slipping replacement is applied to the high density write-once recording medium in which defects are found, thereby allowing continued recording by slipping defects found in the recording medium and further increasing the reliability of the recording medium.

IPC 1-7

**G11B 20/18**

IPC 8 full level

**G11B 20/12** (2006.01); **G11B 20/10** (2006.01); **G11B 20/18** (2006.01)

CPC (source: EP KR)

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Citation (search report)

- [X] WO 0193035 A2 20011206 - DATAPLAY INC [US]
- [X] JP H08273162 A 19961018 - RICOH KK
- See references of WO 2004015707A1

Designated contracting state (EPC)

DE FR GB HU NL

DOCDB simple family (publication)

**WO 2004015707 A1 20040219**; AU 2003241200 A1 20040225; CN 100452224 C 20090114; CN 1675709 A 20050928; EP 1550123 A1 20050706; EP 1550123 A4 20090916; JP 2005535992 A 20051124; KR 20040015425 A 20040219; PL 375215 A1 20051128; TW 200403661 A 20040301

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