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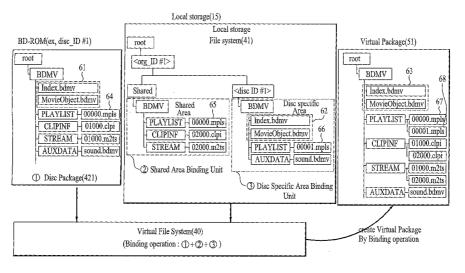
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR REPRODUCING DATA FROM RECORDING MEDIUM USING LOCAL STORAGE



(57) Abstract: A method and apparatus for reproducing data from a recording medium using a local storage is disclosed. A method and apparatus for downloading data associated with the recording medium from an external part, and reproducing the downloaded data is disclosed. A binding unit combined with the recording medium from among the downloaded data of the local storage is formed, and is combined with files of the recording medium using the binding information, such that the virtual package is formed. Data of the recording medium and/or data of the local storage are reproduced by the virtual package. If a specific file contained in the binding unit is equal to a specific file contained in the recording medium when the virtual package is formed, priority is assigned to the file of the binding unit so that the virtual package is formed. Therefore, data of the recording medium and data of the local storage can be effectively reproduced at the same time, resulting in greater convenience of a user.



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 $\label{eq:conditional} \begin{array}{l} RO,\,SE,\,SI,\,SK,\,TR),\,OAPI\,(BF,BJ,\,CF,\,CG,\,CI,\,CM,\,GA,\\ GN,\,GQ,\,GW,\,ML,\,MR,\,NE,\,SN,\,TD,\,TG). \end{array}$

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PCT/KR 2005/004103 CLASSIFICATION OF SUBJECT MATTER IPC⁸: **G11B 19/02** (2006.01) According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC8: G11B 19/02, G11B 27/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched **G11B** Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI, INPADOC C. DOCUMENTS CONSIDERED TO BE RELEVANT . Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. JP 11249948 A (TOSHIBA) 17 September 1999 (17.09.1999) Α 1, 13, 14, 19 the whole document Α WO 2001/007668 A1 (MATSUSHITA) 13 September 2001 1, 13, 14, 19 (13.09.2001) the whole document JP 11065996 A (TOSHIBA) 9 March 1999 (09.03.1999) 1, 13, 14, 19 Α the whole document Further documents are listed in the continuation of Box C. See patent family annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited "A" document defining the general state of the art which is not considered to be of particular relevance to understand the principle or theory underlying the invention "E" carlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve filing date document which may throw doubts on priority claim(s) or which is an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cited to establish the publication date of another citation or other cannot be considered to involve an inventive step when the special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other document is combined with one or more other such documents, such combination being obvious to a person document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed

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Information on parent far	Information on patent family members	
Patent document cited Public lin search report	Illication Patent fa date member	rnily Publication r(s) date
DF A 11,065996A2 DF A 11,249948A2	noi noi	ne ne
IF H LIGHTSTORE	1104	