

Title (en)

SYSTEM AND METHOD FOR ACCESSING INFORMATION ON STORED OPTICAL DISCS

Title (de)

SYSTEM UND VERFAHREN ZUM ZUGRIFF AUF INFORMATION AUF GESPEICHERTEN OPTISCHEN PLATTEN

Title (fr)

SYSTEME ET PROCEDE D'ACCES A DES INFORMATIONS SUR DES DISQUES OPTIQUES STOCKES

Publication

EP 0697127 A1 19960221 (EN)

Application

EP 94915000 A 19940503

Priority

- CA 9400251 W 19940503
- CA 2095653 A 19930506
- US 6571093 A 19930524

Abstract (en)

[origin: WO9427293A1] An automatic disc handling system (10) and method for retrieving and positioning information carrying discs (11, 11') between a storage position (12) to a position of use (13) is described. A displaceable robot (17) having a pair of robotic arms (21) is controlled by a computer (18) connected to a robot controller (16) and instructed to move to discrete positions, either in front of storage racks (12) where a plurality of superposed sliding trays (15) containing one or more discs (11, 11') are stored, or to a plurality of playback units (12) disposed at said position of use to move selected ones of the disc (11, 11') to and from these positions and as requested by a person accessing the discs from a remote station (22-25). The robot (17) is provided with a tray (15') engaging element (39) to move the tray in and out of its storage position, and the robotic arms (21) of the robot (17) are each provided with a picker mechanism (20) to engage and remove the discs (11, 11') from the trays (15) or the playback units (13) and transport them to effectuate a function as dictated by the computer (18) and the robot controller (16). The robotic arms (21) are also adapted to invert the disc (11, 11') for access to information recorded on both sides thereof.

IPC 1-7

G11B 17/22

IPC 8 full level

G11B 17/22 (2006.01); **G11B 27/00** (2006.01)

CPC (source: EP)

G11B 17/225 (2013.01); **G11B 27/002** (2013.01); **G11B 2220/20** (2013.01); **G11B 2220/41** (2013.01)

Citation (search report)

See references of WO 9427293A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9427293 A1 19941124; AU 6643194 A 19941212; EP 0697127 A1 19960221

DOCDB simple family (application)

CA 9400251 W 19940503; AU 6643194 A 19940503; EP 94915000 A 19940503