

18/12/02
2002078277

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



162162

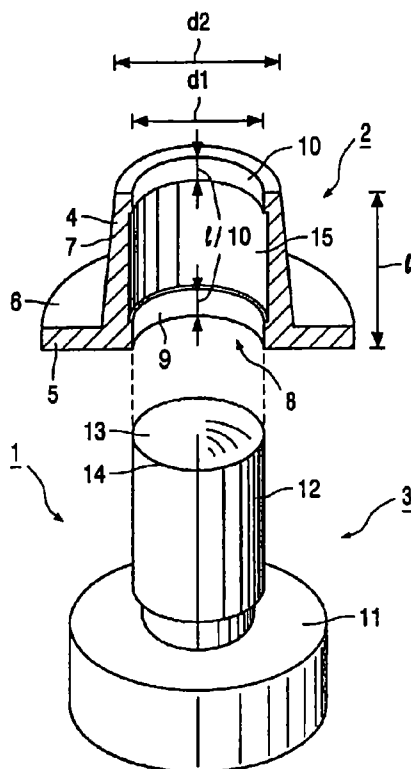
(43) International Publication Date
7 November 2002 (07.11.2002)

PCT

(10) International Publication Number
WO 02/089132 A1

- (51) International Patent Classification⁷: G11B 19/20 (74) Agent: SCHRIJNEMAEKERS, Hubert, J., M.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (21) International Application Number: PCT/IB02/01336
- (22) International Filing Date: 17 April 2002 (17.04.2002) (81) Designated States (national): CN, JP, KR, SG.
- (25) Filing Language: English (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (26) Publication Language: English
- (30) Priority Data: 01201527.7 26 April 2001 (26.04.2001) EP Published:
— with international search report
- (71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
- (72) Inventor: BIERHOFF, Waltherus, C., J.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(54) Title: TURNTABLE FOR A DISC-SHAPED INFORMATION CARRIER, AND PLAYER WITH SUCH A TURNTABLE



(57) Abstract: The invention relates to a turntable (1) for a disc-shaped information carrier. The turntable is provided with a central element (2), which has a central shaft opening (8), a support surface (6) for the information carrier extending perpendicularly to a central axis of the shaft opening, and a driving member (3) having an output shaft (12) for rotationally driving the central element and the support surface. The output shaft and the shaft opening together form a clamping connection, and the output shaft extends in the shaft opening over an insertion length (l). According to the invention, the output shaft (12) is in clamping contact with the shaft opening (8) exclusively via a contact portion of the output shaft having a contact length which is smaller than the insertion length. Preferably, the contact portion exclusively comprises a first part (22) and a second part (23) respectively situated near both end portions of the shaft opening. The clamping connection according to the invention results in an improved perpendicularity between the output shaft (12) and the support surface (6). The turntable (1) according to the invention is suitable for use in a player according to the invention for disc-shaped information carriers.



ACTION

WO 02/089132 A1