

Title (en)

Coupling arrangement for smooth crank discs

Title (de)

Kupplungsanordnung für glatte Kurbelscheiben

Title (fr)

Arrangement de raccord pour flasques de manivelle lisses

Publication

EP 1316660 A1 20030604 (EN)

Application

EP 02380086 A 20020417

Priority

ES 200101006 U 20010419

Abstract (en)

This is a straightforward device used to connect handles to flat plates, which is simpler and easier to assemble than regular versions. The plate has two small holes positioned in diametrically opposite positions with respect to the main central hole, and another pair of small holes positioned around the centre hole, at a lower level than the first holes and spaced from them. The rotating part includes the formation of an end cylindrical section, which is the continuation of an intermediate cylindrical section that has a larger diameter. The first section has a perimeter groove next to its free end, that can house a retention setscrew when connected to the flat plate's centre hole. The end cylindrical section on the rotating part can have two helicoidal springs connected, whose ends are housed in the lower holes on the plate. A cover for both springs has been contemplated, which has two snugs that fit to the aforementioned small diametrically opposite holes. <IMAGE>

IPC 1-7

E05C 1/00; **E05F 17/00**; **E05B 13/00**

IPC 8 full level

E05B 3/06 (2006.01)

CPC (source: EP)

E05B 3/065 (2013.01)

Citation (search report)

- [A] DE 3606924 A1 19870910 - KIEKERT GMBH CO KG [DE]
- [A] DE 3931472 A1 19910404 - GOLDSCHMIDT BAUBESCHLAEGE [DE]
- [A] US 4662110 A 19870505 - ROKICKI STANLEY [CA]
- [A] US 5458381 A 19951017 - DZIUK RICHARD [DE], et al
- [A] US 3892141 A 19750701 - PHILLIPS JR CHARLES EDWARD, et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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