

Title (en)

CENTRING DEVICE FOR QUICK-CHANGE DEVICES

Title (de)

ZENTRIERVORRICHTUNG FÜR SCHNELLWECHSELVORRICHTUNGEN

Title (fr)

DISPOSITIF DE CENTRAGE POUR DISPOSITIFS DE REMPLACEMENT RAPIDE

Publication

**EP 1954886 A1 20080813 (DE)**

Application

**EP 06805402 A 20061012**

Priority

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- DE 102005056505 A 20051128

Abstract (en)

[origin: US2009193691A1] The invention describes a quick-change device in which the arrangement of Centring discs (1) and of control plates (10) prevents jamming during the insertion operation.

IPC 8 full level

**E02F 3/36** (2006.01)

CPC (source: EP US)

**E02F 3/3618** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)

**US 2009193691 A1 20090806; US 7752781 B2 20100713;** AT E480672 T1 20100915; DE 102005056505 B3 20070208; DE 112006003723 A5 20081106; DE 502006007863 D1 20101021; EP 1954886 A1 20080813; EP 1954886 B1 20100908; JP 2009517565 A 20090430; RU 2379427 C1 20100120; WO 2007059721 A1 20070531

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**US 9504306 A 20061012;** AT 06805402 T 20061012; DE 102005056505 A 20051128; DE 112006003723 T 20061012; DE 2006001784 W 20061012; DE 502006007863 T 20061012; EP 06805402 A 20061012; JP 2008541576 A 20061012; RU 2008120772 A 20061012