

Title (en)

Device for automatic coupling of tool for earth-moving machine or similar.

Title (de)

Automatische Werkzeugkupplungsvorrichtung für Erdbewegungsmaschinen oder dgl.

Title (fr)

Dispositif pour prise automatique d'outil pour engin de terrassement ou analogue.

Publication

**EP 0637649 A3 19960103 (FR)**

Application

**EP 94420225 A 19940802**

Priority

FR 9309880 A 19930806

Abstract (en)

[origin: EP0637649A2] The coupling incorporates studs (11) on the tool (3) which engage with recesses (38) in the tool carrier (32), while a surface (4) of the tool has a horizontal cross-member (10) at the bottom equipped with two studs, and a pair of lugs (15) at the top. The lugs are parallel with one another and with the working plane of the tool, and each one has an aperture (18) which is open towards the bottom. The tool holder has a cross-member (37) with recesses for the studs, and a horizontal axle (40) at the top to engage with the lugs. The lower ends of the lugs are extended in the form of two divergent plates located on either side of the cross-piece to act as guides for the upper end (41) of similar plates on the tool holder. The apertures in the lugs have sides which are parallel or converge slightly.

IPC 1-7

**E02F 3/36**

IPC 8 full level

**E02F 3/36** (2006.01)

CPC (source: EP)

**E02F 3/364** (2013.01)

Citation (search report)

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- [YDA] PATENT ABSTRACTS OF JAPAN vol. 6, no. 240 (M - 174)<1118> 27 November 1982 (1982-11-27)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0637649 A2 19950208; EP 0637649 A3 19960103;** FR 2708679 A1 19950210; FR 2708679 B1 19950901

DOCDB simple family (application)

**EP 94420225 A 19940802;** FR 9309880 A 19930806