

Title (en)

Quick-coupling device for attaching tools to an excavator

Title (de)

Schnellkupplungsvorrichtung zur Befestigung von Werkzeugen an einem Bagger

Title (fr)

Attache rapide pour la fixation d'outils sur une excavatrice

Publication

EP 1156161 A3 20020828 (EN)

Application

EP 01110830 A 20010504

Priority

IT GE20000073 A 20000519

Abstract (en)

[origin: EP1156161A2] Quick-coupling device for attaching a tool (2) to an excavator comprising at least one main working arm (1); this device comprises a main body (3) provided with two side walls (306) each connected at the rear to this working arm (1) by a pin (401) housed in holes (301) in these walls (306) to allow it to be rotated relative to the said arm (1) by the movement of excavator levers (5) connected to the body (3) by a pin (40) housed in holes (302) in these walls (306) and at the front to upper walls (205) of this tool (2) by second pins (7) for locking them onto this tool (2); and these second pins (7) are able to extend out of these side walls (306) and be housed in holes (204) formed in these upper walls (205) of the tool (2) under the action of control means (8) mounted in this body (3) for automatically inserting and removing them into and from these holes (204), these upper walls (205) being provided with rear hook means (203) for attaching the tool (2) to pins (4). <IMAGE>

IPC 1-7

E02F 3/36

IPC 8 full level

E02F 3/32 (2006.01); **E02F 3/36** (2006.01)

CPC (source: EP US)

E02F 3/3631 (2013.01 - EP US); **E02F 3/3663** (2013.01 - EP US)

Citation (search report)

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- [Y] US 5024010 A 19910618 - HULDEN FRITIOF [SE]
- [A] DE 19651507 A1 19970703 - SAMSUNG HEAVY IND [KR]
- [XY] PATENT ABSTRACTS OF JAPAN vol. 014, no. 315 (M - 0995) 6 July 1990 (1990-07-06)

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