

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 A2 20011121 (EN)**

Application

**EP 01110830 A 20010504**

Priority

IT GE20000073 A 20000519

Abstract (en)

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)

Cited by

US10106949B2; ES2230981A1; ES2349917A1; WO2020106239A1; WO2004065699A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1156161 A2 20011121**; **EP 1156161 A3 20020828**; IT 1314744 B1 20030103; IT GE20000073 A0 20000519; IT GE20000073 A1 20011119; US 2001051093 A1 20011213

DOCDB simple family (application)

**EP 01110830 A 20010504**; IT GE20000073 A 20000519; US 84737201 A 20010503