

Title (en)

QUICK FASTENING SAFETY DEVICE FOR FIXING A TOOL TO THE END OF A LOADER ARM OR THE LIKE

Title (de)

SICHERHEITSVORRICHTUNG FÜR EINE SCHNELLKUPPLUNGSVORRICHTUNG ZUR BEFESTIGUNG EINES WERKZEUGES AM ENDE EINES LADEAUSLEGERES ODER DGL

Title (fr)

DISPOSITIF DE SECURITE POUR ATTACHE RAPIDE DESTINEE A FIXER UN OUTIL A L'EXTREMITE DU BRAS D'UN CHARGEUR OU ANALOGUE

Publication

**EP 1285139 B1 20090708 (FR)**

Application

**EP 01934106 A 20010514**

Priority

- FR 0101443 W 20010514
- FR 0006972 A 20000531

Abstract (en)

[origin: WO0192648A1] The invention concerns a quick fastening safety device of the type comprising two parts (1 and 2), one of which includes a cradle (4) capable of being mounted astride a shaft (3) secured to the other part, one of the parts including an opening (7) adapted to be run through by a hook-shaped extension (6), secured to the other part, beneath which can be inserted a locking plate (8) under the action of springs which can be released, the release of said springs being brought about by passing said extension through said opening. The invention is characterised in that the hook has means adapted to counter the reverse displacement of the part comprising said hook when the latter has passed through said opening. The hook (6) has, at least, a lateral finger (11) capable of extending above the locking plate (8).

IPC 8 full level

**E02F 3/36** (2006.01); **E02F 3/96** (2006.01); **E02F 3/40** (2006.01)

CPC (source: EP US)

**E02F 3/3627** (2013.01 - EP US); **E02F 3/364** (2013.01 - EP US); **E02F 3/3645** (2013.01 - EP US); **Y10T 403/591** (2015.01 - EP US); **Y10T 403/593** (2015.01 - EP US); **Y10T 403/599** (2015.01 - EP US)

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)

**WO 0192648 A1 20011206**; AT E435947 T1 20090715; AU 6041501 A 20011211; CA 2408897 A1 20011206; CA 2408897 C 20061121; DE 60139197 D1 20090820; EP 1285139 A1 20030226; EP 1285139 B1 20090708; ES 2328792 T3 20091118; FR 2809779 A1 20011207; FR 2809779 B1 20020719; HU P0302116 A2 20030929; JP 2003535243 A 20031125; JP 4190881 B2 20081203; PL 205690 B1 20100531; PL 361776 A1 20041004; RU 2234573 C2 20040820; US 2003113159 A1 20030619; US 6688801 B2 20040210

DOCDB simple family (application)

**FR 0101443 W 20010514**; AT 01934106 T 20010514; AU 6041501 A 20010514; CA 2408897 A 20010514; DE 60139197 T 20010514; EP 01934106 A 20010514; ES 01934106 T 20010514; FR 0006972 A 20000531; HU P0302116 A 20010514; JP 2002500037 A 20010514; PL 36177601 A 20010514; RU 2002135587 A 20010514; US 27526002 A 20021108