

Title (en)

Device for latching a tool to a lifting gear

Title (de)

Vorrichtung zum Verriegeln eines Werkzeugs an einem Hubwerk

Title (fr)

Dispositif pour verrouiller un outil sur un bras élévateur

Publication

EP 1362957 B1 20080806 (DE)

Application

EP 03101279 A 20030508

Priority

DE 10221941 A 20020517

Abstract (en)

[origin: EP1362957A1] The motor (90) is connected to the bar (48) through a coupling designed to drive the bar only when the motor is on. The bar has a grip (72) for manual setting between arrest and release and the motor is remotely controlled from the operators stand. Spring (78) urges the bar into the locking setting. The coupling element joined to the bar (48) comprises a concentric disk (94) and the sleeve (92) connecting to the motor encloses this with contact when the motor is on. The motor provides sufficient movement for the tool to be freed from the hoist bracket but this without the bar attaining its arrest setting.

IPC 8 full level

E02F 3/36 (2006.01)

CPC (source: EP US)

E02F 3/3636 (2013.01 - EP US); **E02F 3/3663** (2013.01 - EP US); **E02F 3/3672** (2013.01 - EP US)

Cited by

FR2969674A1; DE102013002622A1; FR2869054A1; EP1586708A3; WO2012085418A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1362957 A1 20031119; **EP 1362957 B1 20080806**; AT E403781 T1 20080815; CA 2428763 A1 20031117; CA 2428763 C 20070911; DE 10221941 A1 20031204; DE 50310271 D1 20080918; ES 2307873 T3 20081201; US 2004228716 A1 20041118; US 7001136 B2 20060221

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EP 03101279 A 20030508; AT 03101279 T 20030508; CA 2428763 A 20030515; DE 10221941 A 20020517; DE 50310271 T 20030508; ES 03101279 T 20030508; US 43815503 A 20030513