

Title (en)  
Quick coupling

Title (de)  
Schnellkupplung

Title (fr)  
Attache rapide

Publication  
**EP 1239087 B1 20120118 (DE)**

Application  
**EP 02005070 A 20020306**

Priority  
• DE 10111485 A 20010309  
• DE 10159417 A 20011204

Abstract (en)  
[origin: EP1239087A1] Rapid coupling to fit a tool e.g. with a rotating mechanism, at the jib (3) of a hydraulic excavator, has a linear guide at the energy circuit coupling (13). On coupling, it brings the two energy coupling points (14,15) in linear movement to each other. Linear guide has guide units at the job side and the tool side, to be brought together when the energy coupling is closed, and especially before two energy coupling points are brought together.

IPC 8 full level  
**E02F 3/40** (2006.01); **E02F 9/22** (2006.01); **E02F 3/36** (2006.01); **E02F 3/96** (2006.01)

CPC (source: EP US)  
**E02F 3/3654** (2013.01 - EP US); **E02F 3/3663** (2013.01 - EP US); **E02F 9/2267** (2013.01 - EP US); **E02F 9/2271** (2013.01 - EP US); **E02F 9/2275** (2013.01 - EP US)

Cited by  
EP4353910A1; EP3901378A1; EP4357538A1; DE102006020871B4; EP1813730A3; DE202019101747U1; DE102019126439A1; US2021324600A1; US11970833B2; EP3800299A1; US11441290B2; DE102020110523A1; DE102022126522A1; DE102022127836A1; EP4029994B1

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**EP 02005070 A 20020306**; CA 2374679 A 20020305; CN 02105646 A 20020309; CZ 2002828 A 20020306; JP 2002065642 A 20020311; PL 35256502 A 20020301; RU 2002106184 A 20020307; US 9518602 A 20020311