

Title (en)  
Working machine

Title (de)  
Arbeitsmaschine

Title (fr)  
Machine de travail

Publication  
**EP 0963688 B1 20041117 (DE)**

Application  
**EP 99110562 A 19990601**

Priority  
DE 29810118 U 19980605

Abstract (en)  
[origin: EP0963688A2] The machine pressure medium-operated tool can be replaced using a quick-release coupling system (1) comprising a mechanical coupling and at least one fluid coupling (3). The fluid coupling has a machine-side coupling component (31) and a tool-side coupling (32). When the mechanical couplings are engaged, they are positioned at a predetermined distance from one another. At least one of the coupling components can be moved by a motorised drive in the direction of the other to close the coupling and at least one of the coupling components is deformable or adjustable in position to compensate for alignment errors.

IPC 1-7  
**A01B 59/06**; **E02F 3/36**

IPC 8 full level  
**A01B 59/06** (2006.01); **E02F 3/36** (2006.01); **E02F 3/96** (2006.01); **E02F 9/22** (2006.01)

CPC (source: EP)  
**E02F 3/3627** (2013.01); **E02F 3/3654** (2013.01); **E02F 3/964** (2013.01)

Cited by  
DE102004014824B4; WO2005093171A1; EP1473415A1; EP2378005A1; EP1329559A3; EP1388616A1; EP1566490A1; EP1840276A3; FR3072981A1; CN1111279033A; KR20200072488A; JP2021509702A; AU2018356833B2; US9873998B2; US11560688B2; WO2005093172A1; WO2019081831A1; WO2008151334A1

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