

Title (en)  
ACTUATION DEVICE

Title (de)  
BETÄTIGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF D'ACTIONNEMENT

Publication  
**EP 3409840 B1 20240221 (EN)**

Application  
**EP 18175224 A 20180530**

Priority  
IT 201700059602 A 20170531

Abstract (en)  
[origin: EP3409840A1] A coupling device (1) for a quick coupler (100) prearranged for coupling to an adapter member (200) of a tool for a mechanical arm; the quick coupler (100) has a moving element (108), which is mobile in a direction (D) and is provided with at least one elongated member (110) mobile with reciprocating motion against the thrust of a spring (111) between a retracted position (P1) and an advanced position (P2) for engagement of the adapter member (200); an actuation assembly (112) being provided for switching each elongated member (110) between the retracted position (P1) and the advanced position (P2); the actuation assembly (112) comprising an annular cam (1120) carried by the frame (102), which is rotatable about an axis (103) transverse to the first plate (106); the actuation assembly (112) comprising a cam-follower (1126) transverse to the first plate (106) carried by the moving element (108) inside the cam (1120); a toothed arrest assembly (114) being provided for blocking each elongated member (110) longitudinally and the cam (1120) angularly with respect to the frame (102).

IPC 8 full level  
**E02F 3/36** (2006.01)

CPC (source: EP)  
**E02F 3/3627** (2013.01); **E02F 3/3672** (2013.01)

Cited by  
IT202100031157A1; WO2023111813A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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