

Title (en)

Method and device for connecting a cylinder

Title (de)

Verfahren und Vorrichtung zum Ankuppeln eines Zylinders

Title (fr)

Procédé et dispositif pour accoupler un cylindre

Publication

EP 0768174 B1 20000119 (DE)

Application

EP 96115767 A 19961002

Priority

DE 19537421 A 19951007

Abstract (en)

[origin: EP0768174A1] The first coupling plate (6) by means of a work cylinder (19) fed with pressure medium is axially displaceable relatively to the second coupling plate (4). The first coupling plate is provided with a control valve (36). This control valve is so operable by the second coupling plate that during a coupling process it feeds pressure medium out of the work cylinder and the control valve is closed in a coupled state. The pressure (p1) during the coupling process amounts to a third to two thirds of the final pressure (p2), i.e. $p_1 = 1/3 \text{ to } 2/3 p_2$. A pressure switch measures the ruling pressure (p1, p2) in the work cylinder.

IPC 1-7

B41F 13/008

IPC 8 full level

B41F 13/00 (2006.01); **B41F 13/008** (2006.01); **B41F 33/00** (2006.01); **F16D 11/10** (2006.01); **F16D 25/063** (2006.01)

CPC (source: EP US)

B41F 13/008 (2013.01 - EP US)

Cited by

EP0933202A3; ES2377412A1; US6601681B1; US6817292B2; WO9938690A1; WO0224452A3

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

DE 19537421 C1 19970327; DE 59604218 D1 20000224; EP 0768174 A1 19970416; EP 0768174 B1 20000119; JP 2849073 B2 19990120; JP H09131852 A 19970520; US 5701818 A 19971230

DOCDB simple family (application)

DE 19537421 A 19951007; DE 59604218 T 19961002; EP 96115767 A 19961002; JP 26629796 A 19961007; US 72668496 A 19961007