

Title (en)

Hydraulic drive unit for an assembling tool

Title (de)

Hydraulische Antriebseinrichtung für ein Fügwerkzeug

Title (fr)

Système d'entraînement hydraulique pour une machine d'assemblage

Publication

EP 1055466 B1 20040721 (DE)

Application

EP 00110295 A 20000523

Priority

DE 19924310 A 19990527

Abstract (en)

[origin: EP1055466A2] The hydraulic unit has a holding down device drive (20) with a piston-cylinder-unit, which is carried by the piston rod (8) the plunger drive (2). The pressure chamber (32) of the drive is connected to the second working chamber of the plunger drive vi flow connection (34). To generate holding-down force, pressure from the second working chamber (14) of the plunger drive is transferred to the pressure chamber of the holding down device drive.

IPC 1-7

B21D 39/03; **B21J 15/20**

IPC 8 full level

B21D 39/03 (2006.01); **B21J 15/20** (2006.01)

CPC (source: EP US)

B21D 39/031 (2013.01 - EP US); **Y10T 29/49837** (2015.01 - EP US); **Y10T 29/5307** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Cited by

DE102009034542B4; EP2511023A3; EP1640081A1; KR100794637B1; US7475473B2

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

EP 1055466 A2 20001129; **EP 1055466 A3 20020724**; **EP 1055466 B1 20040721**; DE 19924310 A1 20001130; DE 19924310 B4 20071122; DE 50007105 D1 20040826; ES 2224962 T3 20050316; US 6398096 B1 20020604

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