

Title (en)  
ELECTRICALLY OPERATED PRESSING TOOL

Title (de)  
ELEKTRISCH BETRIEBENES PRESSWERKZEUGGER T

Title (fr)  
SYSTEME D'OUTILLAGE DE MOULAGE PAR COMPRESSION A COMMANDE ELECTRIQUE

Publication  
**EP 1689563 A1 20060816 (DE)**

Application  
**EP 04761960 A 20041012**

Priority  
• CH 2004000620 W 20041012  
• CH 20682003 A 20031204

Abstract (en)  
[origin: WO2005053909A1] For handling reasons, an attempt is made to construct electrically operated pressing tools (1) as compact as possible. The pressing tool (1) comprises a hydraulic pump (3) that acts upon a piston-cylinder unit (4) by means of which locking pliers (2) can be actuated by a roll holder (7) with rolls (8). During actuation, hydraulic oil is conveyed out of an elastic hydraulic oil reservoir (6) and into the cylinder chamber (12) and, from there, flows back again after a pressure build-up. In order to save space, the invention provides that the hydraulic oil reservoir (6) is provided in the form of a sleeve (36) that sealingly acts as a cylinder housing (13) of the piston-cylinder unit (4). An actuating valve (9) in the piston-cylinder unit (4) can be actuated while passing through the sleeve (36).

IPC 8 full level  
**B25B 27/10** (2006.01); **F15B 1/26** (2006.01); **F15B 15/18** (2006.01)

CPC (source: EP US)  
**B25B 27/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2005053909A1

Cited by  
EP2135709A3; EP2135709A2; US8151703B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005053909 A1 20050616**; AT E368551 T1 20070815; CN 100423902 C 20081008; CN 1890058 A 20070103; DE 502004004533 D1 20070913; EP 1689563 A1 20060816; EP 1689563 B1 20070801; ES 2291911 T3 20080301; JP 2007512967 A 20070524; US 2007271992 A1 20071129

DOCDB simple family (application)  
**CH 2004000620 W 20041012**; AT 04761960 T 20041012; CN 200480035852 A 20041012; DE 502004004533 T 20041012; EP 04761960 A 20041012; ES 04761960 T 20041012; JP 2006541777 A 20041012; US 58139004 A 20041012