

Title (en)

POWER-DRIVEN SCREW-DRIVING TOOL WITH A FINE-TOOTHED CHUCK

Publication

EP 0153711 B1 19881012 (DE)

Application

EP 85101941 A 19850222

Priority

DE 3407126 A 19840228

Abstract (en)

[origin: WO8503897A1] The mechanical screw driver comprises a force arm (2) and a reaction arm (1), as well as a tooth idler gear (7) and a multiple tooth ratchet (8) cooperating therewith which engages a priority of teeth of the idler gear (7) when pivoting the force arm (2) in an engaging position and which is spaced apart by sliding on the wheel of the idler gear (7) when pivoting in the other direction. A hydraulic force cylinder is provided between the two arms (1, 2). The force arm (2) comprises a driving head (9) which is inside a cylinder bore (11) and is engaged with a recess (14) of the piston (13). The cylinder bore extends transversally, particularly perpendicularly with respect to the force arm (2).

IPC 1-7

B25B 21/00

IPC 8 full level

B25B 21/00 (2006.01)

CPC (source: EP US)

B25B 21/005 (2013.01 - EP US)

Cited by

GB2182592A; US5203238A; DE4210511A1; EP0163009A3; DE4210512A1; US5311797A; FR2562458A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0153711 A2 19850904; EP 0153711 A3 19851009; EP 0153711 B1 19881012; DE 3407126 A1 19850829; DE 3565487 D1 19881117; ES 540821 A0 19860516; ES 8606805 A1 19860516; JP S61501256 A 19860626; US 4709600 A 19871201; WO 8503897 A1 19850912

DOCDB simple family (application)

EP 85101941 A 19850222; DE 3407126 A 19840228; DE 3565487 T 19850222; DE 8500055 W 19850225; ES 540821 A 19850228; JP 50112285 A 19850225; US 80006585 A 19851025