

Title (en)

Nail driving device.

Title (de)

Nageltriebvorrichtung.

Title (fr)

Dispositif pour planter des clous.

Publication

EP 0141712 A2 19850515 (FR)

Application

EP 84402072 A 19841016

Priority

FR 8316702 A 19831020

Abstract (en)

1. Device designed to drive in nails, adaptable to an apparatus such as a compressed air chiseler gun or an electric percussion hand-drill of a type comprising an extended body (1) with a shank (2) at one end designed to be fastened to the percussion apparatus and whose other end is shaped into a cylinder (14) the which is mobile against the action of a spring (7), piston (8) extended by a tube (9) said body (1) containing a rod (5) fixed in shank (2) said body crossing cylinder (14) axially and extending through piston (8) and a duct (10) of tube (9), the free end of tube (9) being protected by a rubber cap (24) whose free end protrudes beyond the free end of said sleeve (22), characterized by a magnetic means of holding the nail to be driven in, attached to the free end of tube (9) and protected by cap (24), these magnetic means consisting of a permanent magnet in the form of a sleeve (32), the free end of tube (9) being integral with a bushing (30) containing an axial hole (21) lined up with duct (10) of tube (9), said bushing having its free end shaped to contain a cavity (19) designed to house sleeve (22) containing a pad (18) on its circumference whereas cap (24) contains a groove (25) designed to cooperate with said pad.

Abstract (fr)

Outillage. Dispositif pour planter des clous adaptable à un appareil tel qu'un pistolet pneumatique ou une chignole électrique à percussion comprenant un corps (1) pourvu à son extrémité d'une queue (2) et à son autre extrémité d'un cylindre (14) dans lequel est mobile un piston (8) contre l'action d'un ressort (7) et prolongé par un tube (9), ledit corps comportant une tige (5) s'étendant dans le tube (9) dont l'extrémité libre est pourvue de moyens magnétiques pour retenir un clou à enfoncer, caractérisé en ce que lesdits moyens magnétiques comprennent un manchon magnétique (22) protégé par un capuchon (24) de caoutchouc dont l'extrémité libre déborde l'extrémité libre dudit manchon magnétique (22).

IPC 1-7

B25C 1/00

IPC 8 full level

B25C 1/00 (2006.01)

CPC (source: EP)

B25C 1/00 (2013.01)

Cited by

FR2597020A1; US6488195B2; WO0016947A1

Designated contracting state (EPC)

BE CH DE GB IT LI NL

DOCDB simple family (publication)

EP 0141712 A2 19850515; EP 0141712 A3 19850612; EP 0141712 B1 19890104; DE 3475887 D1 19890209; ES 282145 U 19850301; ES 282145 Y 19851016; FR 2553696 A1 19850426; FR 2553696 B1 19870612

DOCDB simple family (application)

EP 84402072 A 19841016; DE 3475887 T 19841016; ES 282145 U 19841019; FR 8316702 A 19831020