

Title (en)

COMBUSTION GAS-DRIVEN DRIVING-IN DEVICE

Title (de)

BRENNGASBETRIEBENES EINTREIBGERÄT

Title (fr)

OUTIL D'ENFONCEMENT ACTIONNÉ PAR LA PRESSION D'UNE COMBUSTION

Publication

EP 3393713 A1 20181031 (DE)

Application

EP 16819064 A 20161220

Priority

- EP 15201884 A 20151222
- EP 2016081859 W 20161220

Abstract (en)

[origin: WO2017108750A1] The invention relates to a driving-in device comprising a driving-in piston (4) which is guided in a cylinder (3) for driving a nail element into a workpiece and comprising a combustion chamber (2) which is arranged on the driving-in piston (4) and which can be filled with an ignitable combustion gas mixture. An overpressure of the combustion gas mixture can be generated in the combustion chamber (2) by means of a charging element (7), and the driving-in piston (4) is sealed against an inner wall of the cylinder (3) by means of a first seal (14) during the driving-in movement. The driving-in piston is sealed from the combustion chamber (2) by means of a second seal (15), which is loaded axially to a piston axis (A), in a starting position.

IPC 8 full level

B25C 1/08 (2006.01)

CPC (source: EP US)

B25C 1/08 (2013.01 - EP US); **B25C 1/143** (2013.01 - US); **B25C 1/184** (2013.01 - US); **F16J 15/181** (2013.01 - US); **F16J 15/3212** (2013.01 - US); **B25C 1/047** (2013.01 - US); **F16J 15/28** (2013.01 - US)

Citation (search report)

See references of WO 2017108750A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3184250 A1 20170628; EP 3393713 A1 20181031; TW 201722647 A 20170701; TW I629146 B 20180711; US 2018370006 A1 20181227; WO 2017108750 A1 20170629

DOCDB simple family (application)

EP 15201884 A 20151222; EP 16819064 A 20161220; EP 2016081859 W 20161220; TW 105137087 A 20161114; US 201616061972 A 20161220