

Title (en)
COMPRESSED AIR NAIL GUN WITH SINGLE AND CONTACT TRIGGERING

Title (de)
DRUCKLUFTNAGLER MIT EINZEL- UND KONTAKTAUSLÖSUNG

Title (fr)
CLOUEUR A AIR COMPRIME COMPRENANT UN DECLENCHEMENT SEQUENTIEL ET PAR CONTACT

Publication
EP 3471921 B1 20191009 (DE)

Application
EP 17727891 A 20170606

Priority
• EP 16174539 A 20160615
• EP 2017063658 W 20170606

Abstract (en)
[origin: WO2017215977A1] The invention relates to a pneumatic nailer, comprising a triggering device, which has a manually actuatable trigger, an application sensor, and a force-transmitting device, which activates a control valve that triggers a driving operation, and a switching device, which can put the force-transmitting device into a contact triggering position, in which the force-transmitting device activates the control valve as a result of actuation of the application sensor while the trigger is actuated, wherein the switching device has a first position associated with individual triggering operation and a second position associated with contact triggering operation, when a driving operation is triggered, the switching device is moved into the second position, the switching device has a control piston, which is designed to move the force-transmitting device into or keep the force-transmitting device in the contact triggering position, wherein the control piston is guided in a control cylinder, which has a control volume, wherein the control piston is moved into the first position when the pressure in the control volume is below or exceeds a specified pressure, and air is introduced into or removed from the control volume by the control valve when a driving operation is triggered.

IPC 8 full level
B25C 1/00 (2006.01); **B25C 1/04** (2006.01)

CPC (source: EP RU US)
B25C 1/00 (2013.01 - RU); **B25C 1/008** (2013.01 - EP US); **B25C 1/047** (2013.01 - EP US)

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

DOCDB simple family (publication)
EP 3257632 A1 20171220; AU 2017286166 A1 20190117; AU 2017286166 B2 20221013; BR 112018076088 A2 20190326; CN 109803794 A 20190524; CN 109803794 B 20221014; EP 3471921 A1 20190424; EP 3471921 B1 20191009; ES 2760599 T3 20200514; JP 2019521865 A 20190808; JP 7108369 B2 20220728; RU 2699883 C1 20190911; TW 201803701 A 20180201; TW I680846 B 20200101; US 11090790 B2 20210817; US 2019176312 A1 20190613; WO 2017215977 A1 20171221

DOCDB simple family (application)
EP 16174539 A 20160615; AU 2017286166 A 20170606; BR 112018076088 A 20170606; CN 201780047857 A 20170606; EP 17727891 A 20170606; EP 2017063658 W 20170606; ES 17727891 T 20170606; JP 2018564795 A 20170606; RU 2018145857 A 20170606; TW 106119051 A 20170608; US 201716309510 A 20170606