

Title (en)
AUTOFEED AUTOMATIC SCREWDRIVER

Title (de)
AUTOMATISCHER SCHRAUBENZIEHER MIT VORSCHUB

Title (fr)
VISSEUSE AUTOMATIQUE À ALIMENTATION AUTOMATIQUE

Publication
EP 3342539 A1 20180704 (EN)

Application
EP 17210661 A 20171227

Priority
IT 201600131218 A 20161227

Abstract (en)
An autofeed automatic screwdriver (1) comprising: a bit-holding head (2) that houses inside a rotatable screw bit (3) and is adapted to receive at inlet a succession of screws (100) that are arranged in sequence in front of the screw bit (3), and a motor assembly (4) which is adapted to drive into rotation the screw bit (3) about its longitudinal axis; the bit-holding head (2) comprising: an outer casing (6) internally provided with a substantially straight, main duct (7) open at the bottom and which accommodates said screw bit (3) inside an upper portion of the duct, and a substantially straight, secondary duct (8) that branches off obliquely from the main duct (7) and is dimensioned so as to convey a succession of screws (100) into the main duct (7), below the screw bit (3); and a deflector assembly (17) which is located substantially at the joining/connecting point between the main duct (7) and the secondary duct (8), and is adapted to channel the screws (100) coming out from the secondary duct (8) towards the lower portion of the main duct (7); the deflector assembly (17) being provided with a movable shutter (20) with a guillotine-like movement.

IPC 8 full level
B25B 23/06 (2006.01)

CPC (source: EP)
B25B 23/06 (2013.01)

Citation (applicant)
CN 2813218 Y 20060906 - YANG QUNGEN [CN]

Citation (search report)
• [A] EP 0903202 A2 19990324 - ILLINOIS TOOL WORKS [US]
• [A] US 2670770 A 19540302 - WILLIAM POTTERTON
• [A] EP 1449622 A2 20040825 - HILTI AG [LI]
• [A] EP 2361727 A2 20110831 - OHTAKE ROOT KOGYO CO LTD [JP]

Cited by
DE102018119228A1; WO2020030234A1

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

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BA ME

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