

Title (en)
STAPLING DEVICE

Title (de)
HEFTKLAMMERGERÄT

Title (fr)
AGRAFEUSE

Publication
EP 3137262 A1 20170308 (DE)

Application
EP 15709635 A 20150302

Priority
• DE 102014006230 A 20140430
• EP 2015054272 W 20150302

Abstract (en)
[origin: WO2015165612A1] The invention relates to a stapling device (10) which extends in a longitudinal direction from a front region (12) to a rear region (14), having a bottom part (20) having a set-down surface (18) on its underside (16), having an anvil leg (32) that is mounted so as to be pivotable in a limited manner about a first pivot pin (34) in the front region (12) with respect to the bottom part (20) and carries an anvil plate (30) in the front region (12), having a staple magazine (38) that is mounted on a bearing block (36) in the rear region (14) so as to be pivotable in a limited manner about a second pivot pin (40) with respect to the anvil leg (32), having a driver leg (48) that is mounted so as to be pivotable in a limited manner about the second pivot pin (40) with respect to the anvil leg (32) and with respect to the staple magazine (38) and has a driver (46) for guiding staples through a gap (44) at the front end (42) of the staple magazine (38) and for pressing the staples against the anvil plate (30), and having at least one longitudinally extending lever (56, 56') which is mounted on the bottom part (20) by means of a first bearing (58) in the rear region (14) and on the anvil leg (32) by means of a second bearing (60) between the front region (12) and the rear region (14), wherein one of the bearings (58, 60) is a third pivot pin (66) and the other bearing is a floating bearing, and wherein the at least one lever (56, 56') is coupled to the driver leg (48), at the front end (68) of said lever (56, 56') facing the front region (12), such that a movement of the front end (68) towards the anvil leg (32) results in a movement of the driver (46) towards the anvil plate (30).

IPC 8 full level
B25C 5/02 (2006.01)

CPC (source: EP US)
B25C 5/025 (2013.01 - EP US); **B25C 5/11** (2013.01 - US)

Citation (search report)
See references of WO 2015165612A1

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)
DE 102014006230 A1 20151105; EP 3137262 A1 20170308; EP 3137262 B1 20180509; ES 2673468 T3 20180622; NZ 724475 A 20201030; PL 3137262 T3 20181031; US 10166667 B2 20190101; US 2017087699 A1 20170330; WO 2015165612 A1 20151105

DOCDB simple family (application)
DE 102014006230 A 20140430; EP 15709635 A 20150302; EP 2015054272 W 20150302; ES 15709635 T 20150302; NZ 72447515 A 20150302; PL 15709635 T 20150302; US 201515127960 A 20150302