Title (en)
A tool for stamping workpieces and a method for sorting stamped workpieces

Title (de)
Werkzeug zum Stanzen von Werkstücken und Verfahren zum Sortieren von gestanzten Werkstücken

Title (fr)
Outil pour emboutir des pièces et procédé pour trier des pièces embouties

Publication
EP 2441533 A1 20120418 (EN)

Application
EP 10461531 A 20101015

Priority
EP 10461531 A 20101015

Abstract (en)
A tool for stamping workpieces (102, 103) from a material (101) moving cyclically downstream, the tool comprising a die set with a double-workpiece die (111) and a movable upper plate with a holding plate (113) configured to stamp a first workpiece (102) and a second workpiece (103) in one working cycle, wherein the working cycle comprises a lowering phase wherein the holding plate (113) is moved downwards to stamp the workpieces (102, 103) followed by a lifting phase wherein the holding plate (113) is moved upwards and a feed phase wherein the material (101) is moved downstream and the workpieces (102, 103) are moved outside the die set, wherein the tool further comprises a carrier (121) attached to the movable upper plate with the holding plate (113), and wherein the die (111) comprises a recess (114) to which a portion (123) of the carrier (121) can fit during the lifting phase so as to lift the first workpiece (102) above the second workpiece (103) before the feed phase.

IPC 8 full level
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CPC (source: EP)
B21D 22/02 (2013.01); B21D 35/003 (2013.01); B21D 37/08 (2013.01); B21D 45/04 (2013.01)

Citation (applicant)
US 2009200141 A1 20090813 - NODA SHIGEKAZU [JP], et al

Citation (search report)
• [A] CN 101011716 A 20070808 - WEIYE HEAVY INDUSTRY ANHUI CO [CN]
• [A] JP S61127834 U 19860811
• [A] JP S57160842 U 19821008
• [AD] US 2009200141 A1 20090813 - NODA SHIGEKAZU [JP], et al

Cited by
CN113579043A; US10322444B2; JP2013248652A

Designated contracting state (EPC)
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