

Title (en)
Blind rivet fastening device

Title (de)
Blindnietbefestigungsvorrichtung

Title (fr)
Outil de pose de rivets aveugles

Publication
EP 2246132 A2 20101103 (EN)

Application
EP 10161273 A 20100428

Priority
JP 2009111053 A 20090430

Abstract (en)
[Problem] To provide a blind rivet fastening device that makes it easy to mount a blind rivet in the nose and that keeps the mounted blind rivet from falling out of the nose. [Solution] When the nose 10 is connected slidably to the tool housing 13 in the axial direction, the nose 11 resists the action of the elastic pushing means 34, 35 and is slid so as to be pulled rearward in the axial direction, and the jaw 11 is pulled rearward in the axial direction in the jaw guide 29. When this has occurred, the inner diameter of the jaw 11 is increased, the mandrel 3 is easily inserted into the jaw 11, the force (arrow 46) pulling the nose 10 rearward in the axial direction is released, the jaw 11 is returned forward axially in the jaw guide 29 by the pushing force of the elastic pushing means 34, 35, and the inner peripheral surface of the jaw 11 is frictionally engaged with the mandrel 3.

IPC 8 full level
B21J 15/04 (2006.01); **B21J 15/06** (2006.01)

CPC (source: EP US)
B21J 15/043 (2013.01 - EP US); **B21J 15/105** (2013.01 - EP US); **B21J 15/26** (2013.01 - EP US); **B21J 15/326** (2013.01 - EP US); **Y10T 29/5373** (2015.01 - EP US)

Citation (applicant)
• JP H01177040 U 19891218
• JP H06262290 A 19940920 - OPUTO ENG KK
• JP H05200476 A 19930810 - GESIPA BLINDNIETTECHNIK
• JP 2003266134 A 20030924 - TOYOTA MOTOR CORP

Cited by
EP2374558A3; EP2855046A4; US9968988B2

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
EP 2246132 A2 20101103; CN 101877515 A 20101103; JP 2010260064 A 20101118; US 2010275424 A1 20101104

DOCDB simple family (application)
EP 10161273 A 20100428; CN 201010170802 A 20100430; JP 2009111053 A 20090430; US 77183710 A 20100430