

Title (en)
Modular riveting device

Title (de)
Modular aufgebautes Nietsetzgerät

Title (fr)
Appareil de rivetage modulaire

Publication
EP 1738845 A3 20070221 (DE)

Application
EP 06013219 A 20060627

Priority
• DE 102005030076 A 20050627
• DE 102005038724 A 20050815

Abstract (en)
[origin: EP1738845A2] The modular riveting device (1) has an upper section (2) with a head piece for insertion of rivets. A mechanism grips (6) the rivets and connected to hauling equipment hydraulically and or a pneumatically. A hydraulic or a pneumatic line is movable and a sensor measures the pressure of the hauling equipment. The pressure in the pneumatic and/or hydraulic line is measured by the sensor and the pressure exerted by the hauling equipment is resealable. An independent claim is included for a system.

IPC 8 full level
B21J 15/28 (2006.01); **B21J 15/04** (2006.01); **B21J 15/06** (2006.01); **B25F 3/00** (2006.01); **B25F 5/02** (2006.01)

CPC (source: EP)
B21J 15/043 (2013.01); **B21J 15/105** (2013.01); **B21J 15/285** (2013.01)

Citation (search report)
• [XD] DE 10248299 A1 20030731 - MS VERWALTUNGS UND PATENTGMBH [DE]
• [X] EP 0738551 A2 19961023 - EMHART INC [US]
• [X] EP 0738550 A2 19961023 - EMHART INC [US]
• [X] EP 0572819 A1 19931208 - HONSEL NIETEN & METALLWARENFAB [DE]
• [A] DE 10064243 A1 20020704 - STRAMA MASCHB GMBH & CO KG [DE]
• [A] US 6089062 A 20000718 - ZEMP THOMAS [CH]
• [A] GB 2348620 A 20001011 - MS NARADI S R O [CZ]

Cited by
CN110421512A; EP3670022A1; US11654475B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1738845 A2 20070103; EP 1738845 A3 20070221; EP 1738845 B1 20130116; EP 2305396 A2 20110406; EP 2305396 A3 20110608

DOCDB simple family (application)
EP 06013219 A 20060627; EP 10012014 A 20060627