

Title (en)
Device for setting rivets in components

Title (de)
Vorrichtung zur Fixierung von Nitelementen in Bauteilen

Title (fr)
Outil de pose de rivets dans des composants

Publication
EP 1561526 B1 20080604 (DE)

Application
EP 05001307 A 20050122

Priority
DE 102004005859 A 20040205

Abstract (en)
[origin: EP1561526A1] The robot assembly (1) to fasten components (11) by rivets (4), using two robots (2,6), has a position fix adaptor (3) to fix the rivet in place and be shaped by a rivet adaptor (5). The rivet adaptor has a mass unit (34) in variable positions and with a stored striking energy to shape the rivet with an adjustable force.

IPC 8 full level
B21J 15/24 (2006.01); **B21J 15/14** (2006.01)

CPC (source: EP US)
B21J 15/14 (2013.01 - EP US); **B21J 15/142** (2013.01 - EP US); **B21J 15/24** (2013.01 - EP US); **Y10T 29/49943** (2015.01 - EP US); **Y10T 29/49956** (2015.01 - EP US); **Y10T 29/53065** (2015.01 - EP US); **Y10T 29/5377** (2015.01 - EP US)

Cited by
FR2914208A1; RU2473416C2; CN105034008A; US8763228B2; WO2008132407A3

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 MC NL PL PT RO SE SI SK TR

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EP 1561526 A1 20050810; EP 1561526 B1 20080604; AT E397502 T1 20080615; DE 102004005859 A1 20050825; DE 502005004322 D1 20080717; ES 2308316 T3 20081201; US 2005172481 A1 20050811; US 7805829 B2 20101005

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