

Title (en)
Self-piercing type rivet setting system

Title (de)
System zum Stanznieten

Title (fr)
Système de rivetage autoperforant

Publication
EP 1127634 A3 20020724 (EN)

Application
EP 01301512 A 20010221

Priority
JP 2000044200 A 20000222

Abstract (en)
[origin: EP1127634A2] In a self-piercing type rivet setting system operated by a robot or a jig, to save an expense for its arrangement, to reduce a size thereof and also to reduce a number of interface cables. A self-piercing type rivet setting system 30 comprises: a rivet swaging assembly 35; a robot 6 which moves the rivet swaging assembly 35 to put it in position relative to a predetermined site on a workpiece to be riveted; a single integrated controller 31 made up by an integration of a controller for controlling a riveting operation of the rivet swaging assembly and a controller for controlling the motion of the robot; and a rivet feeder 9 for automatically feeding a self-piercing type rivet to the rivet swaging assembly. From the integrated controller 31, a interface cable 33 extends to the robot 6 and another interface cable 34 extends to the rivet feeder 3, and the rivet swaging assembly 35 is integrally incorporated into the robot 6. <IMAGE>

IPC 1-7
B21J 15/02; **B21J 15/10**; **B21J 15/28**

IPC 8 full level
B21J 15/02 (2006.01); **B21J 15/10** (2006.01); **B21J 15/16** (2006.01); **B21J 15/28** (2006.01); **B21J 15/32** (2006.01)

CPC (source: EP)
B21J 15/025 (2013.01); **B21J 15/10** (2013.01); **B21J 15/28** (2013.01); **B21J 15/285** (2013.01); **B21J 15/32** (2013.01)

Citation (search report)
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• [YA] EP 0970766 A2 20000112 - EMHART INC [US]
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• [A] US 4901431 A 19900220 - GAST ROBERT L [US]
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1127634 A2 20010829; **EP 1127634 A3 20020724**; **EP 1127634 B1 20050608**; AT E297276 T1 20050615; DE 60111287 D1 20050714; DE 60111287 T2 20060323; ES 2242708 T3 20051116; JP 2001232437 A 20010828; JP 4478275 B2 20100609

DOCDB simple family (application)
EP 01301512 A 20010221; AT 01301512 T 20010221; DE 60111287 T 20010221; ES 01301512 T 20010221; JP 2000044200 A 20000222