

Title (en)  
Self-piercing type rivet setting system

Title (de)  
System zum Stanznieten

Title (fr)  
Système de rivetage autoperforant

Publication  
**EP 1127634 B1 20050608 (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  
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