

Title (en)  
PROCESS AND DEVICE FOR DRIVING BLIND RIVETS

Publication  
**EP 0273907 B1 19910703 (DE)**

Application  
**EP 86905206 A 19860830**

Priority  
DE 3531532 A 19850904

Abstract (en)  
[origin: WO8701315A1] Blind rivets (1) are driven by placing them on to a riveting punch (2) with a thickened end, the diameter of which is larger than that of the riveting hole (8), in such a way that the riveting head (9) is located on the side facing away from the thickened end, after which the rivet (1) is inserted together with the riveting punch (2) into the holes (13, 14) of the components (15, 16). Next, the riveting head (9) is supported by a rivet holder (3) and finally the riveting punch (2) is pushed in the direction opposite to the direction of pressure of the rivet holder (3), in order to widen the end (12) of the rivet which projects through the holes (13, 14). In order to be able to re-use the riveting punch (2) and thereby simplify and reduce the cost of the riveting process, the thickened end of the riveting punch (2) is reduced in diameter, after sufficient widening of the free rivet end (12), to such an extent that it passes through the rivet hole (8), and after this the rivet punch (2) located on the head side (9) of the rivet (1) is withdrawn from the rivet hole (8) and re-used for the next rivet-driving operation. The process is performed with a riveting unit (18) in which the riveting punch (2) is incorporated.

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