

Title (en)

Suction device for holding rivets in a riveting tool

Title (de)

Saugvorrichtung zum Halten von Nieten in einem Nietwerkzeug

Title (fr)

Dispositif d'aspiration pour le maintien de rivets dans une riveteuse

Publication

**EP 0928649 A2 19990714 (EN)**

Application

**EP 98204028 A 19981130**

Priority

CZ 753898 U 19980102

Abstract (en)

The device for suctioning the rivets in a riveting tool involves a hydraulically controlled clamping assembly with a hydraulic piston (2). The device consists of a tube (4) passing through the axial central passage opening of the hydraulic piston (2), the back end (23) of which is fitted in the rear screw joint (15) closing off the body (1) of the riveting tool in the part forming the cylinder (18); into the forward end (22) of the tube (4) there is pressed a small hollow piston (3) between whose inner elongated end (25) and the tube (4) there is a ring-shaped space (17) in which area the tube (4) is provided with at least one opening (5) connected with the supply of pressurized air. The tube (4) has clearance along the whole length of its positioning in the hydraulic piston (2), where the ring-shaped gap (27) thus created between the tube (4) and the body of the hollow hydraulic piston (2) forms a connection between the opening (5) of the tube (4) and the space (6) in the cylinder (18) of the hydraulic piston (2) connected to the supply of pressurized air, while the outer shoulder (7) of the small piston (3) with its radial projection (8) reaches the inner shoulder (29) of the hydraulic piston (2) under pressure from the compression spring (9) of the spacing mandrel (13). <IMAGE>

IPC 1-7

**B21J 15/04**

IPC 8 full level

**B21J 15/32** (2006.01); **B21J 15/04** (2006.01); **B21J 15/06** (2006.01); **B21J 15/30** (2006.01)

CPC (source: EP)

**B21J 15/043** (2013.01); **B21J 15/105** (2013.01); **B21J 15/326** (2013.01)

Cited by

CN111069516A; US11654475B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0928649 A2 19990714**; **EP 0928649 A3 20000315**; **EP 0928649 B1 20030611**; CZ 7414 U1 19980601

DOCDB simple family (application)

**EP 98204028 A 19981130**; CZ 753898 U 19980102