

Title (en)  
PNEUMATIC-HYDRAULIC BLIND RIVETS DEVICE

Publication  
**EP 0062206 B1 19850619 (DE)**

Application  
**EP 82102325 A 19820320**

Priority  
DE 3112711 A 19810331

Abstract (en)  
[origin: ES8301701A1] A riveter has a housing forming an air chamber and a liquid-filled hydraulic chamber adjacent thereto, a head on the housing having a tip and forming a liquid-filled working chamber communicating with the hydraulic chamber, and a working piston in the working chamber and carrying a chuck for grasping a mandrel of a blind rivet. The head and chuck form a passage having a front end opening at the tip and a rear end opening into a mandrel-catching compartment and the piston displaceable in the working chamber between a ready position in which a mandrel of a blind rivet can be fitted into the passage at the chuck with the rivet engaged backwardly against the tip and an actuated position spaced from the tip and wherein the chuck is retracted. An air piston is provided in the air chamber and carries a hydraulic piston displaceable in the hydraulic chamber between an advanced position pressurizing the hydraulic and working chambers and corresponding to a front position of the air piston and a retracted position corresponding to a rear position of the air piston.

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**B21J 15/06**

IPC 8 full level  
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CPC (source: EP US)  
**B21J 15/105** (2013.01 - EP US); **B21J 15/22** (2013.01 - EP US); **B21J 15/326** (2013.01 - EP US); **Y10T 29/53748** (2015.01 - EP US)

Cited by  
CN102744354A; EP0264817A3; EP0154280A3; EP0120309A3; GB2174943A; EP1132160A1; EP3670022A1; US7159291B2; US6367139B2; EP1996350B1

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