

Title (en)
Riveting method and apparatus.

Title (de)
Nietverfahren und- vorrichtung.

Title (fr)
Procédé et dispositif de rivetage.

Publication
EP 0376822 B1 19940727 (FR)

Application
EP 89403618 A 19891222

Priority
FR 8817173 A 19881226

Abstract (en)
[origin: EP0376822A1] Method and apparatus for riveting parts by the insertion of rivets in an orifice formed in the parts. Firstly, pressure is applied to the shaft of the rivet (7) and this causes the swelling of the rivet (7) in the hole; then two equal, opposite pressures are applied simultaneously causing the formation of the rivet heads. <IMAGE>

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

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

CPC (source: EP)
B21J 15/02 (2013.01); **B21J 15/10** (2013.01)

Cited by
CN116197339A; US5531009A; CN112157208A; EP0466304A1; FR2664521A1; CN102734267A; CN109317594A; CN109433997A; US9815499B2; US10160029B2

Designated contracting state (EPC)
DE GB IT SE

DOCDB simple family (publication)
EP 0376822 A1 19900704; **EP 0376822 B1 19940727**; DE 68917118 D1 19940901; DE 68917118 T2 19950126; FR 2640897 A1 19900629; FR 2640897 B1 19940506

DOCDB simple family (application)
EP 89403618 A 19891222; DE 68917118 T 19891222; FR 8817173 A 19881226