

Title (en)

METHOD OF REMOVING LONGITUDINAL UPSET BEADS

Publication

**EP 0392644 A3 19910703 (DE)**

Application

**EP 90250089 A 19900403**

Priority

DE 3912423 A 19890412

Abstract (en)

[origin: US5050419A] In accordance with the invention, immediately after the completion of the upsetting process using an upset tool to form a pipe end of increased wall thickness, the upset half shells which have been pressed together are opened and the supporting mandrel is withdrawn. After the lifting of the pipe end out of the tool, the longitudinal upset seams formed during the upset operation are rotated through a predetermined angle in a plane to which the axis of the pipe is perpendicular and out of the parting plane of the upset half shells. The pipe end is again pressed into the working plane while maintaining its previous axial position to the tool. After the reintroduction of the supporting mandrel, the pipe end is additionally pressed radially to substantially eliminate the longitudinal upset seams.

IPC 1-7

**B21J 5/08**

IPC 8 full level

**B21J 5/06** (2006.01); **B21J 5/08** (2006.01); **B21K 21/12** (2006.01)

CPC (source: EP US)

**B21J 5/08** (2013.01 - EP US)

Citation (search report)

- [Y] AT 366938 B 19820525 - GFM FERTIGUNGSTECHNIK [AT]
- [Y] US 2074104 A 19370316 - CRILEY WILLIAM W
- [A] EP 0299948 A2 19890118 - GFM FERTIGUNGSTECHNIK [AT], et al
- [A] GB 722765 A 19550126 - SAMUEL SMITH

Designated contracting state (EPC)

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DOCDB simple family (publication)

**US 5050419 A 19910924**; AT E99578 T1 19940115; DE 3912423 C1 19900510; DE 59004081 D1 19940217; EP 0392644 A2 19901017; EP 0392644 A3 19910703; EP 0392644 B1 19940105; ES 2047835 T3 19940301; JP H02295630 A 19901206

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