

Title (en)

Method for swaging workpieces

Title (de)

Verfahren zum Profilkneten von Werkstücken

Title (fr)

Procédé de rétreindre de pièces

Publication

EP 0940201 A3 20010418 (DE)

Application

EP 99103372 A 19990222

Priority

DE 19809674 A 19980306

Abstract (en)

[origin: EP0940201A2] The goods (2) are processed in a station with pairs of opposite forging dies (4), charged by rams (5). Rollers (7) moveable relative to outer guide surfaces of the rams, engage on these surfaces in pairs and after each other. Two pairs of die rams are moved in radial direction via two pairs of diametrically opposite rollers, and the radial impact directions of both pairs cross each other at right angles. The edge lengths of the dies are longer than the finished length per working process, of each work piece.

IPC 1-7

B21J 7/16; **B21J 7/14**

IPC 8 full level

B21J 7/16 (2006.01)

CPC (source: EP US)

B21J 7/16 (2013.01 - EP US)

Citation (search report)

- [X] GB 925494 A 19630508 - FENN MFG COMPANY
- [X] US 3183704 A 19650518 - SAMUEL SMITH
- [X] GB 682031 A 19521105 - NAT RES DEV

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0940201 A2 19990908; **EP 0940201 A3 20010418**; DE 19809674 A1 19990909; US 6094962 A 20000801

DOCDB simple family (application)

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