

Title (en)
FORGING MACHINE

Publication
EP 0228030 B1 19910424 (DE)

Application
EP 86117589 A 19861217

Priority

- DE 3600018 A 19860102
- DE 3600178 A 19860107
- DE 3600690 A 19860113
- DE 3627843 A 19860816
- DE 3630170 A 19860904
- DE 3631439 A 19860916

Abstract (en)
[origin: US4796456A] In a forging machine which has four radial rams with respective tools together forming a closed bite, each tool overlaps one adjacent tool and is overlapped by the other adjacent tool, and can be adjusted laterally relative to the radial ram axis, in the operating plane of the rams and tools, for setting the bite size.

IPC 1-7
B21J 7/14

IPC 8 full level
B21J 7/14 (2006.01); **B21J 7/18** (2006.01); **B21J 13/00** (2006.01); **B21J 13/03** (2006.01)

CPC (source: EP US)
B21J 7/14 (2013.01 - EP US); **B21J 13/00** (2013.01 - EP US); **B21J 13/03** (2013.01 - EP US)

Cited by
US5582059A; DE102005012297B4; EP0653257A1; CN110548827A; US5313816A; EP1005933A1; EP0653258A1; EP0549825A1; EP0260546A3; DE102017214961A1; DE102017214961B4; AT519807A3; AT519807B1

Designated contracting state (EPC)
AT DE ES FR GB IT SE

DOCDB simple family (publication)
EP 0228030 A2 19870708; EP 0228030 A3 19880907; EP 0228030 B1 19910424; DE 3678918 D1 19910529; JP H08273 B2 19960110; JP S63238940 A 19881005; US 4796456 A 19890110

DOCDB simple family (application)
EP 86117589 A 19861217; DE 3678918 T 19861217; JP 9487 A 19870105; US 94733186 A 19861229