

Title (en)  
LONGITUDINAL FORGING MACHINE FOR FORGING ROUND OR SHARP-EDGED BARS

Publication  
**EP 0323607 A3 19891129 (DE)**

Application  
**EP 88121360 A 19881221**

Priority  
DE 3800220 A 19880107

Abstract (en)  
[origin: EP0323607A2] In order to be able to forge round and sharp-edged bars down to very small dimensions without a tool change on a longitudinal forging machine, pivotable guide levers 18 for guiding rams 9 bearing tools 10 to 13 are provided with additional tools 14 to 17 which can be actuated in common with the tools 10 to 13 on the rams when the guide levers 18 are freely movable and the rams 9 are positively locked within the guide levers. When the guide levers 18 are fixed on the machine frame 6 and the rams 9 are guided in a straight line, previously round rough-forged material can be given sharp edges in a finish-forging operation, the mutually opposite pairs of tools 10, 12 and 11, 13 on the rams acting like two hammer-forging presses arranged in different vertical planes. <IMAGE>

IPC 1-7  
**B21J 7/14**

IPC 8 full level  
**B21J 9/06** (2006.01); **B21J 7/14** (2006.01)

CPC (source: EP KR US)  
**B21J 7/14** (2013.01 - EP US); **B21J 9/06** (2013.01 - KR)

Citation (search report)  
• [AD] DE 2159461 A1 19730607 - SACK GMBH MASCHF  
• [AD] DE 8623759 U1 19880107 - HASENCLEVER MASCHF SMS [DE]  
• [A] EP 0236589 A2 19870916 - PAHNKE ENG GMBH & CO KG [DE]  
• [A] DE 1908362 A1 19700910 - SACK GMBH MASCHF

Cited by  
EP0549825A1; WO2024002582A1

Designated contracting state (EPC)  
AT BE CH ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**DE 3800220 C1 19890202**; AT E73368 T1 19920315; EP 0323607 A2 19890712; EP 0323607 A3 19891129; EP 0323607 B1 19920311; ES 2030149 T3 19921016; JP H01233036 A 19890918; JP H0824986 B2 19960313; KR 890011641 A 19890821; KR 910009860 B1 19911203; US 4905495 A 19900306; US 5000026 A 19910319

DOCDB simple family (application)  
**DE 3800220 A 19880107**; AT 88121360 T 19881221; EP 88121360 A 19881221; ES 88121360 T 19881221; JP 190389 A 19890107; KR 890000085 A 19890106; US 28902188 A 19881223; US 44931289 A 19891208