

Title (en)

INDIRECT METAL EXTRUSION PRESS AND APPARATUS FOR REMOVING "FROZEN" BILLETS

Publication

EP 0043025 B1 19840222 (DE)

Application

EP 81104623 A 19810616

Priority

DE 3023388 A 19800623

Abstract (en)

[origin: ES8203243A1] Metal billets trapped in the billet container of an indirect extrusion press are removed by indirect extrusion in the reverse direction until the billet size is reduced sufficiently for the residue to be expelled bodily from the container. The stem used to support the container-closing plug constitutes, or is replaced by a stem for effecting the reverse indirect extrusion.

IPC 1-7

B21C 23/21; **B21C 23/20**

IPC 8 full level

B21C 23/20 (2006.01); **B21C 23/21** (2006.01); **B21C 35/04** (2006.01)

CPC (source: EP US)

B21C 23/205 (2013.01 - EP US); **B21C 23/218** (2013.01 - EP US); **B21C 35/04** (2013.01 - EP US)

Cited by

GB2243317A; GB2243317B; EP0818252A1; FR2750901A1; US5931041A; WO9513150A1; WO9006823A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 81104623 A 19810616; AT 81104623 T 19810616; DE 3023388 A 19800623; DE 3162365 T 19810616; ES 502508 A 19810526; JP 9542081 A 19810622; US 27503081 A 19810618