

Title (en)
A ROLL FORMING MACHINE

Publication
EP 0389736 A3 19910403 (EN)

Application
EP 89830464 A 19891024

Priority
IT 4005389 A 19890331

Abstract (en)
[origin: EP0389736A2] The roll forming machine consists of a succession of stands, each equipped with at least two rolls (12, 13) disposed with axes parallel; the rolls of each stand are mounted to centre shafts (42, 43) journaled between two uprights (17, 31), one of which is associated permanently with a base (2) that can be fitted to and removed from the fixed bed (3) of the machine, whilst the other (31) is attached direct to the bed (3) and carries two sleeves (44, 45), turning in bearings (34, 35), which are aligned coaxially with the centre shafts. The sleeves (44, 45) are designed to engage the relative shafts (42, 43) in a coupling arrangement whereby both members can slide axially, though the one must turn with the other.

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B21D 5/12

IPC 8 full level
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CPC (source: EP)
B21D 5/12 (2013.01); **B21B 31/06** (2013.01); **B21B 31/10** (2013.01); **B21B 35/141** (2013.01); **B21B 2031/023** (2013.01)

Citation (search report)

- [YP] EP 0320465 A2 19890614 - OTO MILLS SPA [IT]
- [A] US 3901060 A 19750826 - CORRADINI REMO
- [A] DE 1808125 A1 19700527 - DEMAG AG
- [A] DE 2732233 B1 19781130 - MASCH UND WERKZEUGBAU GMBH
- [X] PATENT ABSTRACTS OF JAPAN vol. 10, no. 193 (M-496)(2249) 08 July 1986, & JP-A-61 38719 (NISSHIN STEEL CO.LTD.) 24 February 1986,

Cited by
EP1132156A3; EP2251110A1; CN116618445A; AT515177A1; AT515177B1

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