

Title (en)  
Rolling train for rolling flat steel

Title (de)  
Walzenstrasse zum Walzen von Flachstahl

Title (fr)  
Train de lamoins pour laminer des aciers plats

Publication  
**EP 0870554 A3 19990602 (DE)**

Application  
**EP 98106120 A 19980403**

Priority  
DE 19714216 A 19970407

Abstract (en)  
[origin: EP0870554A2] The mill for rolling flat steel billets includes universal roll stands instead of vertical rolls. These stands have adjustable carriers of free vertical roll pairs. The universal roll stands are configured into a compact rolling group for production of profiled sections from a continuously cast billet (VP). The preliminary section of this group consists of a vertical duo stand (VDG) or a universal stand, a horizontal duo stand (HDG), and two tandem stands (TUR) and (TUF) with adjustable vertical rolls (VWR).

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**B21B 13/12; B21B 1/12**

IPC 8 full level  
**B21B 27/02** (2006.01); **B21B 1/08** (2006.01); **B21B 1/12** (2006.01); **B21B 13/12** (2006.01); **B21B 1/22** (2006.01); **B21B 1/46** (2006.01)

CPC (source: EP US)  
**B21B 1/12** (2013.01 - EP US); **B21B 13/12** (2013.01 - EP US); **B21B 1/224** (2013.01 - EP US); **B21B 1/466** (2013.01 - EP US)

Citation (search report)

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- [A] DE 1602139 A1 19700506 - SIEMAG SIEGENER MASCH BAU
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 010 (M - 051) 22 January 1981 (1981-01-22)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 124 (M - 218) 28 May 1983 (1983-05-28)

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