

Title (en)  
Continuous rolling mill for small sections or wire

Title (de)  
Kontinuierliche Feinstahl- oder Drahtstrasse

Title (fr)  
Train de laminoir continu à petits fers ou à fils

Publication  
**EP 1228816 A3 20040804 (DE)**

Application  
**EP 02000634 A 20020111**

Priority  
• DE 10105213 A 20010202  
• DE 10146431 A 20010920

Abstract (en)  
[origin: EP1228816A2] Rolling train for producing small section steel products or wire feeds the products over one of three paths (FLI - FLIII), along which cooling sections (KS) are arranged. Material moving along the first path (FLI) is moved by a diverter (DAW) into the second path (FLII). A second set of diverters (ZW1, UF1, ZW3,UF3) diverts material; from the first path through 180 degrees into the second path (FLII). An Independent claim is included for a method for operating the rolling train.

IPC 1-7  
**B21B 1/18**

IPC 8 full level  
**B21B 1/18** (2006.01); **B21B 39/18** (2006.01)

CPC (source: EP US)  
**B21B 1/18** (2013.01 - EP US); **B21B 39/18** (2013.01 - EP US); **B21B 2013/003** (2013.01 - EP US); **B21B 2201/06** (2013.01 - EP US)

Citation (search report)  
• [A] EP 1038600 A2 20000927 - SMS DEMAG AG [DE]  
• [A] DE 10032833 A1 20010201 - VOEST ALPINE IND ANLAGEN [AT]  
• [DA] DE 19843032 A1 20000323 - SCHLOEMANN SIEMAG AG [DE]  
• [DA] EP 0606966 B1 19970924 - MORGAN CONSTRUCTION CO [US]

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1228816 A2 20020807; EP 1228816 A3 20040804; EP 1228816 B1 20080416**; AT E392273 T1 20080515; BR 0200293 A 20021029; DE 50212089 D1 20080529; TW 505548 B 20021011; US 2002104357 A1 20020808; US 6598449 B2 20030729

DOCDB simple family (application)  
**EP 02000634 A 20020111**; AT 02000634 T 20020111; BR 0200293 A 20020201; DE 50212089 T 20020111; TW 91100222 A 20020110; US 6229802 A 20020201