

Title (en)

Method for rolling finished sections from section blanks, by means of reversibly driven arrangements of roll stands

Title (de)

Verfahren zum Walzen von Fertigprofilen aus Vorprofilen mittels, im Reversierbetrieb arbeitenden Walzgerüstanordnungen

Title (fr)

Procédé pour laminier des profilés fines à partir d'ébauches des profilés, par arrangements des cages de laminoir à entraînement réversible

Publication

EP 0846503 A3 19990113 (DE)

Application

EP 97120925 A 19971128

Priority

- DE 19650279 A 19961204
- DE 19729991 A 19970712
- DE 19730598 A 19970717
- DE 19743633 A 19971002

Abstract (en)

[origin: EP0846503A2] The method involves use of roll stand configurations of which one is a compact rolling group consisting of entry and exit universal stands and an interposed upsetting stand. This group is preceded by a preliminary rolling group consisting of vertical and horizontal stands and/or universal stands. To produce pile planking, angle and similar sections - with one or more stands of the preliminary rolling group and/or one or more stands of the compact rolling group provided with several grooved rolls or rolls with adjacent grooves which can be brought into and out of the rolling line - forming of a rectangular section or a preliminarily formed section with near-final dimensions into a finished section takes place in the preliminary rolling groups in several form change and reduction stages, followed by further analogous stages in the universal rolling group, with or without use of the reversing mode of operation of the roll stands involved. Also claimed is a corresponding rolling installation.

IPC 1-7

B21B 1/08; B21B 1/14

IPC 8 full level

B21B 13/10 (2006.01); **B21B 1/08** (2006.01); **B21B 1/082** (2006.01); **B21B 1/09** (2006.01); **B21B 1/095** (2006.01); **B21B 1/14** (2006.01); **B21B 1/46** (2006.01)

CPC (source: EP KR US)

B21B 1/082 (2013.01 - EP KR US); **B21B 1/09** (2013.01 - KR); **B21B 1/095** (2013.01 - KR); **B21B 1/14** (2013.01 - EP KR US); **B21B 1/466** (2013.01 - KR); **B21B 39/14** (2013.01 - KR); **B21B 1/09** (2013.01 - EP US); **B21B 1/095** (2013.01 - EP US); **B21B 1/466** (2013.01 - EP US)

Citation (search report)

- [A] FR 2619520 A1 19890224 - UNIMETAL SA [FR]
- [A] EP 0307606 A2 19890322 - SCHLOEMANN SIEMAG AG [DE]
- [A] GB 2018656 A 19791024 - NIPPON STEEL CORP
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 089 (M - 207) 13 April 1983 (1983-04-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 011, no. 316 (M - 631) 15 October 1987 (1987-10-15)
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 532 (M - 1051) 22 November 1990 (1990-11-22)

Cited by

WO2021180387A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0846503 A2 19980610; EP 0846503 A3 19990113; EP 0846503 B1 20040102; AT E257046 T1 20040115; BR 9706221 A 20020528; CA 2222827 A1 19980604; CA 2222827 C 20110111; CN 1104293 C 20030402; CN 1189399 A 19980805; DE 59711167 D1 20040205; ES 2213796 T3 20040901; JP 4579353 B2 20101110; JP H10235406 A 19980908; KR 100532511 B1 20060127; KR 19980063778 A 19981007; MX 9709435 A 19980731; MY 118693 A 20050131; TW 355149 B 19990401; US 6116072 A 20000912

DOCDB simple family (application)

EP 97120925 A 19971128; AT 97120925 T 19971128; BR 9706221 A 19971204; CA 2222827 A 19971128; CN 97126447 A 19971204; DE 59711167 T 19971128; ES 97120925 T 19971128; JP 33326597 A 19971203; KR 19970065876 A 19971204; MX 9709435 A 19971203; MY PI9705805 A 19971203; TW 86117646 A 19971125; US 98094197 A 19971201