

Title (en)

ROLLING MILL ROLL FOR ROLLING RAILWAY AND TRAM RAILS

Title (de)

WALZWERKSWALZE ZUM WALZEN VON EISENBAHN- UND STRASSENBAHNSCHIENEN

Title (fr)

CYLINDRE DE LAMINOIR POUR LAMINER DES RAILS DE CHEMIN DE FER ET DE TRAMWAY

Publication

EP 4289522 A1 20231213 (EN)

Application

EP 23460020 A 20230522

Priority

PL 44142822 A 20220609

Abstract (en)

The subject-matter of the invention is a rolling mill roll used for rolling railway and/or tramway rails, especially of leading roll and finishing roll, wherein a pass of the working surface of the roll forming the bottom surface of rail foot is convex, while the lines forming the roll pass convexity are rounded with a radius at their contact point, and the size (S) of convexity of roll passes calculated from the straight line joining the ends of the roll pass intended to form the rail foot is in the range of 0.5 mm to 2.0 mm for the leading roll pass and in the range of 0.2 mm to 0.75 mm for the finishing roll pass.

IPC 8 full level

B21B 1/085 (2006.01)

CPC (source: EP PL)

B21B 1/085 (2013.01 - EP PL); **B21B 1/0855** (2013.01 - PL); **B21B 1/34** (2013.01 - PL); **B21B 13/04** (2013.01 - PL); **B21B 27/02** (2013.01 - PL)

Citation (applicant)

CN 110180889 A 20190830 - BERIS ENG & RES CORP

Citation (search report)

- [A] CN 201632479 U 20101117 - PANGANG GROUP PANZHIHUA STEEL, et al
- [A] US 4400962 A 19830830 - MICHAUX JACQUES M [FR]
- [X] CN 102049416 A 20110511 - PANZHIHUA IRON & STEEL RES, et al
- [X] "Improved Rail or Beam", RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, UK, GB, vol. 576, no. 4, 1 April 2012 (2012-04-01), pages 260, XP007141218, ISSN: 0374-4353

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DOCDB simple family (publication)

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