

Title (en)
ROLL STAND

Publication
EP 0212002 A3 19870603 (DE)

Application
EP 85114400 A 19851113

Priority
DE 3528998 A 19850813

Abstract (en)
[origin: EP0212002A2] Roll stand with two work rolls (2, 3), the roll barrels of which have congruent contours with a longitudinal convex curvature and, if required, rest against back-up rolls (6, 7). To produce flat strips, it was known to camber the work rolls (2, 3) in such a way that, after the bending of the rolls under the rolling force, the bending was compensated by the camber and a flat strip was thus produced. It was recognised as a disadvantage that, in practice, the camber chosen was only correct for a particular rolling force and a particular strip width. It is therefore the object of the invention to provide a roll camber with which different strips of different widths can be produced. To achieve the object, it is proposed that the rolls (2, 3) be provided with a camber which varies over their barrel width but is always convex, resulting in a cigar shape of the rolls (2, 3), the largest diameter (D) outside the centre of these rolls but on the other side of the centre (8) of the roll from the respectively opposite work roll (2 or 3). The rolls (2, 3) are adjustable in the axial direction. <IMAGE>

IPC 1-7
B21B 13/14; B21B 31/18

IPC 8 full level
B21B 13/14 (2006.01)

CPC (source: EP)
B21B 13/142 (2013.01)

Citation (search report)
• [AD] DE 3038865 C1 19821223 - SCHLOEMANN SIEMAG AG
• [A] PATENT ABSTRACTS OF JAPAN, Band 4, Nr. 128 (M-31)[610], 9. September 1980; & JP - A - 55 086 606 (KOBE SEIKOSHO) 30.06.1980

Cited by
US5174144A; DE3819303A1

Designated contracting state (EPC)
BE DE FR GB IT

DOCDB simple family (publication)
EP 0212002 A2 19870304; EP 0212002 A3 19870603

DOCDB simple family (application)
EP 85114400 A 19851113