

Title (en)
ROLLING MILL STAND

Publication
EP 0235769 A3 19890412 (DE)

Application
EP 87102865 A 19870227

Priority
• DE 3606857 A 19860303
• DE 3609916 A 19860324

Abstract (en)
[origin: EP0235769A2] A four-, five- or six-roll rolling mill stand for strip 5 to be rolled with axially displaceable working rolls 3, 4 is to be further developed in such a way that, while avoiding the drop in thickness at the edges of the strip 5 to be rolled, high peak values of the surface pressure in the strip edge area are prevented as is the undesirably high wear resulting from these peak values. This is achieved by the working rolls 3, 4 each being provided with a flat annular hollow 8 in the area of one of their barrel ends such that this annular hollow 8 is disposed on the drive side on one of the working rolls and on the operating side on the other working roll, and during rolling the annular hollows 8 can each be pushed in the axial direction over one of the opposite edges of the material 5 to be rolled. This can be assisted by the arrangement of a flat annular reinforcement 7 between the annular hollow 8 and the barrel end of the relevant roll facing this annular hollow 8. <IMAGE>

IPC 1-7
B21B 13/14; **B21B 27/02**

IPC 8 full level
B21B 13/14 (2006.01); **B21B 27/02** (2006.01)

CPC (source: EP)
B21B 13/142 (2013.01); **B21B 27/02** (2013.01); **B21B 2269/14** (2013.01)

Citation (search report)
• [A] EP 0112969 A2 19840711 - SCHLOEMANN SIEMAG AG [DE]
• [A] EP 0153849 A2 19850904 - KAWASAKI STEEL CO [JP]
• [AD] DE 2260256 A1 19730620 - HITACHI LTD
• [AD] EP 0049798 A2 19820421 - SCHLOEMANN SIEMAG AG [DE]
• [A] PATENT ABSTRACTS OF JAPAN, Band 8, Nr. 83 (M-290)[1520], 17. April 1984; & JP-A-59 001 005 (KAWASAKI SEITETSU K.K.) 06-01-1984

Designated contracting state (EPC)
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