

Title (en)  
ROLL FOR ROLLING MILL

Publication  
**EP 0043869 A3 19820428 (EN)**

Application  
**EP 80106377 A 19801020**

Priority  
JP 9319580 A 19800707

Abstract (en)  
[origin: EP0043869A2] A pair of rolls (11, 12) displaceable axially in accordance with rolled sheet width are arranged at the upper and/or lower sides of a pair of work rolls (2, 3) having a high flexural rigidity, such that the axes of the axially displaceable rolls (11, 12) are substantially in the same plane as the axes of the work rolls (2, 3), so that the shape control of the rolled sheet (1) is performed by the axial adjustment of the axially displaceable rolls (11, 12). Each axially displaceable roll (11, 12) has an axial end portion the diameter of which is gradually decreased toward the axial outer extremity with such a rate that the reduction in radius of said axial end portion within the range of 100 mm is at least 0,3 mm. Stress concentration at the displaceable roll (11, 12) end, spalling and scoring are avoided, and the shape controllability is improved considerably.

IPC 1-7  
**B21B 31/18**; **B21B 29/00**; **B21B 13/14**

IPC 8 full level  
**B21B 13/14** (2006.01); **B21B 27/02** (2006.01); **B21B 29/00** (2006.01); **B21B 31/18** (2006.01); **B21B 37/42** (2006.01)

CPC (source: EP)  
**B21B 27/02** (2013.01); **B21B 29/00** (2013.01); **B21B 31/18** (2013.01); **B21B 37/42** (2013.01); **B21B 2027/022** (2013.01); **B21B 2269/08** (2013.01); **B21B 2269/16** (2013.01)

Citation (search report)  
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• DE 2260256 A1 19730620 - HITACHI LTD  
• DE 2835514 B1 19800110 - SUNDWIGER EISEN MASCHINEN  
• US 3733878 A 19730522 - ANDERSON A, et al  
• US 3818743 A 19740625 - KAJIWARA T, et al

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Designated contracting state (EPC)  
AT BE DE FR GB LU NL SE

DOCDB simple family (publication)  
**EP 0043869 A2 19820120**; **EP 0043869 A3 19820428**; **EP 0043869 B1 19850814**; **EP 0043869 B2 19901107**; AT E14849 T1 19850815; AU 526637 B2 19830120; AU 6384580 A 19820114; CA 1153586 A 19830913; DE 3070984 D1 19850919; DK 159593 B 19901105; DK 159593 C 19910415; DK 460680 A 19820108; JP S5717309 A 19820129; JP S6018243 B2 19850509

DOCDB simple family (application)  
**EP 80106377 A 19801020**; AT 80106377 T 19801020; AU 6384580 A 19801030; CA 362955 A 19801022; DE 3070984 T 19801020; DK 460680 A 19801030; JP 9319580 A 19800707