

Title (en)  
SERIES OF GROOVED ROLLS FOR ROLLING STEEL BARS AND ROLL STAND HERETO

Publication  
**EP 0286875 A3 19890419 (DE)**

Application  
**EP 88104622 A 19880323**

Priority  
DE 3712332 A 19870411

Abstract (en)  
[origin: EP0286875A2] For rolling steel bars with grooved rolls 1,2, the rolls are provided with gradually increasing diameter zones I,II,III for pass incisions a,b,c in zones of equal diameter on each roll. Since the rolls can be operated in a mirror-inverted fashion and can be brought into a mutually complementary working position by a relative axial displacement and a screw-down movement, each rolled section can be allocated the roll-barrel diameter which brings ideal rolling conditions. <IMAGE>

IPC 1-7  
**B21B 27/02**

IPC 8 full level  
**B21B 13/00** (2006.01); **B21B 27/02** (2006.01); **B21B 1/16** (2006.01); **B21B 27/03** (2006.01); **B21B 31/02** (2006.01); **B21B 31/06** (2006.01); **B21B 31/18** (2006.01); **B21B 31/26** (2006.01); **B21B 35/14** (2006.01)

CPC (source: EP KR)  
**B21B 13/005** (2013.01 - EP); **B21B 27/02** (2013.01 - EP); **B21B 37/00** (2013.01 - KR); **B21B 1/16** (2013.01 - EP); **B21B 27/03** (2013.01 - EP); **B21B 31/06** (2013.01 - EP); **B21B 31/18** (2013.01 - EP); **B21B 31/26** (2013.01 - EP); **B21B 35/145** (2013.01 - EP); **B21B 2013/006** (2013.01 - EP); **B21B 2031/023** (2013.01 - EP); **B21B 2031/026** (2013.01 - EP)

Citation (search report)  
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• [A] DE 599645 C 19340713 - HANS CRAMER DR ING, et al  
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Designated contracting state (EPC)  
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**EP 0286875 A2 19881019**; **EP 0286875 A3 19890419**; **EP 0286875 B1 19910626**; AT E64699 T1 19910715; CN 88102216 A 19881109; DE 3712332 A1 19881020; DE 3863384 D1 19910801; JP S63264205 A 19881101; KR 880012281 A 19881126

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**EP 88104622 A 19880323**; AT 88104622 T 19880323; CN 88102216 A 19880409; DE 3712332 A 19870411; DE 3863384 T 19880323; JP 8743088 A 19880411; KR 880004106 A 19880411