

Title (en)
A DIFFERENT CIRCUMFERENTIAL SPEED ROLLING MILL

Publication
EP 0111865 A3 19841010 (EN)

Application
EP 83112482 A 19831212

Priority
JP 21897882 A 19821213

Abstract (en)
[origin: EP0111865A2] A different circumferential speed continuous rolling mill including a plurality of rolls (1,2,3,4;5,6,) including one roll cooperating with other rolls to roll a trip simultaneously at a plurality of rolling points to continuously roll the strip by rotating the one roll at a circumferential speed distinct from the circumferential speed of other rolls is equipped with a tension difference applying device (7,11,12;8) located in a path of travel of the strip between a first rolling point at which the strip is brought into contact with the one roll and rolled thereby and a second rolling point at which the strip is brought into contact with the one roll again and rolled thereby after clearing the first rolling point, so as to thereby create a difference in the tension applied to the strip between a portion of the strip located at an delivery end of the first rolling point and a portion of the strip located at an delivery end of the second rolling point. The tension difference applying device is operative to increase the tension applied to a portion of the strip located between the first rolling point of the one roll and the tension difference applying device and decrease the tension applied to a portion of the strip located between the tension difference applying device and the second rolling point of the one roll. Thus rolling energy can be fed to the strip not only from the rolls but also from the tension difference applying device to enable continuous rolling with a high degree of efficiency.

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CPC (source: EP)
B21B 1/22 (2013.01); **B21B 1/222** (2013.01)

Citation (search report)
• [A] DE 1940265 A1 19720217 - CELJABINSKIJ POLITEKHN I
• [A] DE 2746788 A1 19780518 - TSCHELJABINSKIJ POLITEKHN I IM
• [A] GB 2044652 A 19801022 - OLIN CORP
• [A] Patent Abstracts of Japan vol. 5, no. 190, 4 December 1981 & JP-A-56-111503
• [A] Patent Abstracts of Japan vol. 5, no. 190, 4 December 1981 & JP-A-56-111504

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