

Title (en)  
Rolling mill and tandem rolling mill having the same

Title (de)  
Walzwerk und Tandemwalzwerk damit

Title (fr)  
Laminoir et laminoir tandem le comprenant

Publication  
**EP 2277638 B1 20130320 (EN)**

Application  
**EP 10007223 A 20100713**

Priority  
JP 2009170816 A 20090722

Abstract (en)  
[origin: EP2277638A1] A rolling mill includes paired upper and lower work rolls (2) for rolling a strip (1) , paired upper and lower intermediate rolls (3) for supporting the paired upper and lower work rolls, and paired upper and lower back-up rolls (4) for supporting the paired upper and lower intermediate rolls. In the rolling mill, the paired upper and lower work rolls (2) each have two bearing housings (13a, 13e, 13b, 13f, 13c, 13g, 13d, 13h) mounted on each side, and the bearings are restrained in the horizontal direction by backlash elimination cylinders (18a, 18e, 18b, 18f, 18c, 18g, 18d, 18h). The work rolls have a small diameter, and use a material having a high modulus of longitudinal elasticity, such as a cemented carbide or a ceramic.

IPC 8 full level  
**B21B 31/02** (2006.01)

CPC (source: EP)  
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Cited by  
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