

Title (en)  
METAL PLATE ROLLING MACHINE AND ROLLING METHOD

Title (de)  
WALZMASCHINE UND WALZVERFAHREN FÜR METALLPLATTEN

Title (fr)  
MACHINE DE LAMINAGE POUR PLAQUES MÉTALLIQUES ET PROCÉDÉ DE LAMINAGE

Publication  
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Application  
**EP 11762310 A 20110112**

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Abstract (en)  
[origin: EP2554282A1] The present invention has as its task to provide a rolling mill which can obtain a large gap between upper and lower work rolls and can impart a high response and powerful roll bending force. To achieve this task, the rolling mill which the present invention provides is a rolling mill of a metal flat-rolled product which has a pair of upper and lower work rolls and a pair of upper and lower backup rolls which support the same, which rolling mill of a metal flat-rolled product is characterized in that hydraulic cylinders which apply increase bending force to the upper and lower work rolls are arranged at project blocks which project to the inside of a rolling mill housing, rolling direction force which is applied to a lower work roll barrel is supported by contact surfaces of a project block and the lower work roll chock, and rolling direction force which is applied to an upper work roll barrel is supported by contact surfaces of a rolling mill housing window which is positioned above the project blocks and the upper work roll chock.

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• [A] DE 3601239 A1 19870723 - SCHLOEMANN SIEMAG AG [DE]  
• [A] US 3864955 A 19750211 - EIBE WERNER W  
• [A] EP 0239004 A2 19870930 - HITACHI LTD [JP]  
• See references of WO 2011122069A1

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