

Title (en)  
ENERGY-SAVING ROLLING MILL TRAIN AND ENERGY-SAVING PROCESS FOR OPERATING A COMBINED CASTING AND ROLLING STATION

Title (de)  
ENERGIESPARENDE WALZSTRASSE UND ENERGIESPARENDES VERFAHREN ZUM BETRIEB EINER GIESS-WALZ-VERBUNDANLAGE

Title (fr)  
TRAIN DE LAMINOIR ÉCONOME EN ÉNERGIE ET PROCÉDÉ ÉCONOME EN ÉNERGIE PERMETTANT DE FAIRE FONCTIONNER UNE INSTALLATION COMBINÉE DE COULÉE ET DE LAMINAGE

Publication  
**EP 2437900 B1 20140625 (DE)**

Application  
**EP 10724421 A 20100531**

Priority  
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Abstract (en)  
[origin: EP2258491A1] The tool e.g. roll stand (10) has working rolls (12) for processing rolling stock and driven by an electric motor (20) with superconducting windings. The working rolls are mechanically connected with a shaft (25) of the electric motor, which comprises a common cooling system (26). The rolls are mechanically coupled with each other by a branched gear that is connected with the shaft, where the rolling stock is made of steel, aluminum, copper or titanium. Independent claims are also included for the following: (1) a rolling mill for processing a rolling stock (2) a casting and rolling composite system for continuous production of hot strip (3) a method for operating a casting and rolling composite system (4) a method for improving performance of a rolling mill.

IPC 8 full level  
**B21B 35/00** (2006.01); **H02K 55/00** (2006.01)

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