

Title (en)

Method and device for suppressing the rattling of work rollers on a roll stand

Title (de)

Verfahren und Vorrichtung zum Unterdrücken des Ratterns von Arbeitswalzen eines Walzgerüsts

Title (fr)

Procédé et dispositif destinés à supprimer les vibrations de cylindres de travail d'une cage de laminage

Publication

EP 2052796 B1 20110803 (DE)

Application

EP 08167442 A 20081023

Priority

DE 102007050911 A 20071023

Abstract (en)

[origin: EP2052796A1] The method involves generating a pressure change in a hydraulic medium which impinges a roller gap of the roll stand adjusting a hydraulic cylinder (6). The pressure change is directly produced in a pressure chamber (24) of the hydraulic cylinder adjacent to a piston (8) where volume of the pressure chamber is changed. The pressure change is produced after the concept of an active increase of the stiffness. An independent claim is included for a device for suppressing the vibration of the rollers of a roll stand.

IPC 8 full level

B21B 37/00 (2006.01)

CPC (source: EP)

B21B 37/007 (2013.01); **B21B 31/32** (2013.01)

Cited by

DE102016202366A1; US10166584B2; US10065225B2; DE102015223516A1; WO2017050493A1; DE102016202367A1; US11123781B2

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

EP 2052796 A1 20090429; **EP 2052796 B1 20110803**; AT E518607 T1 20110815; DE 102007050911 A1 20090430

DOCDB simple family (application)

EP 08167442 A 20081023; AT 08167442 T 20081023; DE 102007050911 A 20071023