

Title (en)  
Roll position control in cluster mills

Title (de)  
Walzenpositionsregelung in Vielwalzengerüsten

Title (fr)  
Dispositif de réglage de la position des cylindres dans des laminoirs à cylindres multiples

Publication  
**EP 0998992 A3 20021113 (EN)**

Application  
**EP 99202359 A 19990719**

Priority  
GB 9820787 A 19980925

Abstract (en)  
[origin: EP0998992A2] A dynamic position control means for a cluster mill which has a two-part pre-stressed housing in which the two parts are joined by hydraulic cylinders and associated columns. It comprises an actuating means located between the housings of the mill, so as to vary the relative separation or the relative orientation or both of the two halves of the housing during rolling. The actuating means includes at least one hydraulic lifting ram disposed substantially between the two halves of the housing, and ideally four hydraulic lifting rams each ram disposed at the corner position of a rectangular housing. The hydraulic lifting rams are of the doughnut type, encompassing each of the hydraulic cylinder's columns. The dynamic position control means includes position monitoring means, in particular, four position transducers mounted between the four respective corners of the housings. Control means then adjust the actuating means in response to the position monitoring means or other measured data. <IMAGE>

IPC 1-7  
**B21B 37/62**

IPC 8 full level  
**B21B 13/14** (2006.01); **B21B 31/02** (2006.01); **B21B 31/04** (2006.01); **B21B 37/62** (2006.01)

CPC (source: EP)  
**B21B 13/147** (2013.01); **B21B 31/028** (2013.01); **B21B 31/04** (2013.01); **B21B 37/62** (2013.01)

Citation (search report)  
• [XA] EP 0693328 A1 19960124 - SENDZIMIR INC T [US]  
• [XA] EP 0429812 A2 19910605 - SUNDWIGER EISEN MASCHINEN [DE]

Cited by  
EP2234739A4; CN104226694A; DE102006057040B3; US6725701B2; US7765844B2; US8127584B2; WO2009082441A1

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