

Title (en)  
Rotable eccentric device

Title (de)  
Drehbare Nockenvorrichtung

Title (fr)  
Dispositif excentrique rotatif

Publication  
**EP 1131491 B1 20080312 (EN)**

Application  
**EP 99939636 A 19990712**

Priority  
• SE 9901257 W 19990712  
• SE 9802523 A 19980713

Abstract (en)  
[origin: WO0005455A1] The present invention relates to a rotatable eccentric element for continuous adjustment of the vibration amplitude in the roll of vibrating rollers. In particular, the invention relates to a rotatable eccentric arranged in a roll of a vibrating roller with a drive means (26) for the roll arranged at one end of the same, which eccentric arrangement is adapted for stepless adjustment of the vibration amplitude. The arrangement comprises a rotatable shaft (1, 14) extending in the centre of the roll with at least one eccentric weight (2) arranged in a fixed manner thereon and at least one movable weight (5) which is pivotable relative to the fixed weight between a position with maximum amplitude and a position with minimum amplitude for changing the vibration amplitude of the arrangement, means for converting an axial movement into said pivoting in a radial plane, and also a displacement arrangement for providing said axial movement arranged in that part of the roll opposite the drive means. The arrangement is characterized in that the displacement arrangement and the means for converting an axial movement into a pivoting movement are located at a distance from one another and are interconnected via at least one rod (7, 23) which is axially displaceable parallel to the rotatable shaft (1, 14).

IPC 8 full level  
**E01C 19/28** (2006.01)

CPC (source: EP SE)  
**E01C 19/286** (2013.01 - EP SE)

Citation (examination)  
AT 375845 B 19840910 - VOEST ALPINE AG [AT]

Cited by  
CN111250379A; CN111229581A

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0005455 A1 20000203**; AT E389067 T1 20080315; AU 5389299 A 20000214; DE 69938358 D1 20080424; EP 1131491 A1 20010912; EP 1131491 B1 20080312; GB 0807840 D0 20080604; SE 514877 C2 20010507; SE 514877 E5 20110614; SE 9802523 D0 19980713; SE 9802523 L 20000114

DOCDB simple family (application)  
**SE 9901257 W 19990712**; AT 99939636 T 19990712; AU 5389299 A 19990712; DE 69938358 T 19990712; EP 99939636 A 19990712; GB 0807840 A 20080430; SE 9802523 A 19980713