

Title (en)  
Rotable eccentric device

Title (de)  
Drehbare Nockenvorrichtung

Title (fr)  
Dispositif excentrique rotatif

Publication  
**EP 1131491 A1 20010912 (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).

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**E01C 19/28**

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

CPC (source: EP SE)  
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Citation (third parties)  
Third party :  
AT 375845 B 19840910 - VOEST ALPINE AG [AT]

Cited by  
CN111250379A; CN111229581A

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