

Title (en)
APPARATUS FOR CONTROLLING VIBRATION OF ROTATING ROLLS

Title (de)
VORRICHTUNG ZUR STEUERUNG DER VIBRATIONEN VON ROTIERENDEN WALZEN

Title (fr)
APPAREIL PERMETTANT DE COMMANDER LA VIBRATION DE ROULEAUX ROTATIFS

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Application
EP 02720026 A 20020418

Priority
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Abstract (en)
[origin: WO02086340A1] An apparatus to observe the vibration of rolling rolls (3), (4) and to control the vibration, during operation, the apparatus comprising a frame (1), into which the bearing housings (7) of both rolling rolls are fixed, a rotary system of the rolls and a system to move and support the bearing housings of the rolls and to produce nip forces and supports between different rolls. The bearing housings of first roll (4) are by means of first upper arm (5) supported in frame, which arm being from its one end fixed to the frame by a joint and the other end of said upper arm fixed to the frame by means of a load cell (10), and further, the apparatus has a separate locking unit (8) loading said end against said load cell and the bearing housings of the second roll (3) are supported in frame by means of the second lower arm (2), which arm is from its one end fixed to the frame by a joint, and further, to support said lower arm with respect to frame the apparatus has a knee-joint linkage (9) affecting the magnitude of nip force and supporting the second arm, the knee-joint of which linkage is affected by a force required in order to increase or decrease the angle of the knee-joint.

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