Title (en)

Wear detection device for crushing rolls

Title (de)

Verschleissmessvorrichtung für Mahlwalzen

Title (fr)

Dispositif de détection d'usure pour les cylindres broyeurs

Publication

**EP 0578152 B1 19970924 (DE)**

Application

**EP 93110607 A 19930702**

Priority

DE 4222085 A 19920704

Abstract (en)

[origin: EP0578152A1] The structure of the surfaces of the grinding rollers (1) of two-roller machines is important for the drawing-in behaviour of the material to be ground and therefore for throughput and comminution. As the surfaces of the grinding rollers are subject to wear, when abrasive materials are ground in particular, and inhomogeneities in the grinding material can cause the removal (5) of the surfaces of the grinding rollers, assessment of the state of the surfaces, which is carried out visually, is important, but is made difficult by the rapid speed of rotation of the grinding rollers and by frequent adhesion of the ground material, and can therefore only be carried out when the grinding rollers (1) are stationary. It is proposed to carry out measurement of the surface structure in a contactless fashion using an electronic transducer (3) during operation of the two-roller machine, the measuring signal not being affected by non-magnetisable ground material which is adhering to the grinding roller (1). <IMAGE>

IPC 1-7

**B02C 4/28**

IPC 8 full level

**B02C 4/28** (2006.01)

CPC (source: EP)

**B02C 4/28** (2013.01); B02C 2210/01 (2013.01)

Cited by

CN112808367A; CN107900606A; DE102007004004B4; CN105592926A; EA032792B1; US10556239B2; WO2015049043A1; WO2008090016A1; US9890504B2; US10415195B2; US10947678B2

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