

Title (en)

Wear-resistant roller to be used in roller crushers, in particular high-pressure roller crushers.

Title (de)

Verschleissfeste Mahlwalze für die Verwendung in Walzenmaschinen, insbesondere in Hochdruckwalzenpressen.

Title (fr)

Cylindre à revêtement résistant à l'usure, à utiliser dans des broyeurs à cylindres en particulier dans des broyeurs à cylindres à haute pression.

Publication

**EP 0516952 B1 19950920 (DE)**

Application

**EP 92106594 A 19920416**

Priority

- DE 4117435 A 19910528
- DE 4132474 A 19910930

Abstract (en)

[origin: EP0516952A1] In order to construct grinding rollers of rolling machines, in particular of high-pressure roller presses, for the pressure crushing of granular material in such a way that the surface regions of the grinding roller that are exposed to wear have an extremely high resistance to wear, according to the invention a multiplicity of wear-resistant material pieces are inserted into these surface regions in such a way that the wear response of the grinding roller at these points is determined virtually exclusively by the wear-resistant material inserted. By varying the size and number of pieces as well as the material properties of the material pieces inserted, it is possible for the wear of the grinding roller to be matched to the substances that are to be crushed in different ways, and to minimise said wear. In particular it is possible to ensure by pinpointed local insertion that previously preferred points of wear on the grinding roller are particularly protected against wear, and thus the wear pattern of the grinding roller remains uniform even over lengthy periods of use. <IMAGE>

IPC 1-7

**B02C 4/30**

IPC 8 full level

**B02C 4/02** (2006.01); **B02C 4/30** (2006.01)

CPC (source: EP US)

**B02C 4/305** (2013.01 - EP US)

Cited by

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