Title (en)

Closed circuit grinding plant

Title (de)

Umlaufmahlanlage

Title (fr)

Installation de broyage en circuit fermé

Publication

EP 0648539 B1 19990707 (DE)

Application

EP 94114845 A 19940921

Priority

DE 4334904 A 19931013

Abstract (en)

[origin: EP0648539A2] In order to create a closed-circuit grinding plant (circulation grinding plant), characterised by a low specific energy requirement, with the use of a material-bed high-pressure comminuting roller-press system which is capable of being very variable with regard to the product quality, for example in order to be able to produce simultaneously at least two different fine finished products of the same material, such as cement, without high material-circulation rates and the use of tube mills or other fine comminuting mills being necessary, it is proposed according to the invention to connect in series at least two grinding circuits, each containing a high-pressure roller press and a sifter, in such a way that the fine-material/medium-material discharge line (19) leads from the sifter (11) of the first grinding circuit if need be together with the sifting air to the sifter (13) of the second grinding circuit, from which its grit (23) [medium material] leads to the second high-pressure roller press (12) and its fine material is discharged as fine finished product (A), in which arrangement a less fine finished product (B) can be delivered from the first grinding circuit, and both finished products (A and B) can be mixed to form an end product of desired product quality. <IMAGE>

IPC 1-7

B02C 21/00; B02C 23/12

IPC 8 full level

B02C 21/00 (2006.01); **B02C 23/12** (2006.01)

CPC (source: EP)

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Cited by

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