

Title (en)  
Eccentric vibrating mill

Title (de)  
Exzenter-Schwingmühle

Title (fr)  
Broyeur vibrant excentrique

Publication  
**EP 0653244 B1 19980805 (DE)**

Application  
**EP 94115913 A 19941008**

Priority  
DE 4335797 A 19931020

Abstract (en)  
[origin: US5570848A] An eccentric vibrating mill with at least one grinding container, to which is solidly attached the exciter unit as vibrating drive, and in which for the purposes of improving the grinding properties of conventional vibrating mills according to the present invention there is provision for the grinding container to be excited eccentrically on one side, that is, outside the gravity axis and the mass center of the grinding container, whereby a balancing mass is provided for balancing the eccentric mass and the drive side spring axis lies between the gravity axes of the grinding container and the exciter unit and the exciter unit is operated such that uneven vibrations such as circular, elliptical and linear vibrations are produced.

IPC 1-7  
**B02C 17/14**

IPC 8 full level  
**B02C 17/14** (2006.01)

CPC (source: EP US)  
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Cited by  
WO2006089722A3; WO2005085363A1

Designated contracting state (EPC)  
AT DE DK ES FR GB IT NL SE

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**US 5570848 A 19961105**; AT E169242 T1 19980815; AU 688367 B2 19980312; AU 7587794 A 19950511; CN 1038564 C 19980603; CN 1105293 A 19950719; DE 4335797 A1 19950427; DE 4335797 C2 19970410; DE 59406608 D1 19980910; DK 0653244 T3 19990503; EP 0653244 A1 19950517; EP 0653244 B1 19980805; ES 2122118 T3 19981216; JP 3703868 B2 20051005; JP H07185377 A 19950725; ZA 948246 B 19950613

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**US 32583794 A 19941019**; AT 94115913 T 19941008; AU 7587794 A 19941014; CN 94117181 A 19941020; DE 4335797 A 19931020; DE 59406608 T 19941008; DK 94115913 T 19941008; EP 94115913 A 19941008; ES 94115913 T 19941008; JP 25514594 A 19941020; ZA 948246 A 19941020