

Title (en)  
Mechanical crusher

Title (de)  
Mechanischer Brecher

Title (fr)  
Broyeur mécanique

Publication  
**EP 1195201 B1 20051228 (EN)**

Application  
**EP 01120797 A 20010911**

Priority  
JP 2000276115 A 20000912

Abstract (en)  
[origin: EP1195201A1] The mechanical crusher (10) includes a rotating shaft (38), a rotor (40) mounted about the rotating shaft and having at least one sub-rotor (41) containing a plurality of blades (44), a liner (36) having a plurality of grooves (36a) formed on the inner peripheral surface thereof and disposed externally of the rotor with a predetermined gap defined between the inner peripheral surface thereof and the outer peripheral surface of the rotor, and a drive unit (24) for rotating the rotor. The blades of at least the one sub-rotor incline in a direction where the flow of a material to be crushed is forced back. With this arrangement, the mechanical crusher can effectively crush a fiber-including material such as wheat bran, and the like to fine powder. <IMAGE>

IPC 1-7  
**B02C 13/18**

IPC 8 full level  
**B02C 17/22** (2006.01); **B02C 13/14** (2006.01); **B02C 13/18** (2006.01); **B02C 13/282** (2006.01); **B02C 18/06** (2006.01); **B02C 18/12** (2006.01)

CPC (source: EP KR)  
**B02C 13/14** (2013.01 - EP); **B02C 18/06** (2013.01 - KR); **B02C 18/12** (2013.01 - EP)

Cited by  
CN109433352A; CN113289743A; EP2718354A4; CN108772151A; CN102933303A; CN108970677A; RU2742055C2; CN105326080A; CN110539424A; WO2012168563A3; JP2002085992A; US11425865B2; WO2017035578A1

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