

Title (en)  
METHOD AND ARRANGEMENT FOR BREAKING UP GRINDABLE MATERIAL

Publication  
**EP 0292739 B1 19910306 (DE)**

Application  
**EP 88107072 A 19880503**

Priority  
DE 3717976 A 19870527

Abstract (en)  
[origin: US4889289A] The invention relates to a method and to apparatus for crushing brittle material for grinding using a roller mill and a material bed roll mill for crushing the material for grinding falling downwards over the edge of the grinding track before it is delivered to the sifter. By the use of a material bed roll mill a considerable increase in the throughput capacity of the apparatus and a significant saving of energy can be achieved.

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 US)  
**B02C 21/00** (2013.01 - EP US); **B02C 23/12** (2013.01 - EP US)

Cited by  
AU2010347572B2; EP0406591A3; DE4118657A1; CN112262113A; EP3326720A1; US11833520B2; WO2011107124A1; WO2019234257A1; US9212404B2; WO2019016031A1; EP3326720B1; EP3802457B1

Designated contracting state (EPC)  
BE DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0292739 A2 19881130**; **EP 0292739 A3 19891115**; **EP 0292739 B1 19910306**; BR 8802553 A 19881220; CA 1301134 C 19920519; DE 3717976 A1 19881208; DE 3861909 D1 19910411; DK 286288 A 19881128; DK 286288 D0 19880525; ES 2021408 B3 19911101; US 4889289 A 19891226; ZA 883511 B 19881122

DOCDB simple family (application)  
**EP 88107072 A 19880503**; BR 8802553 A 19880525; CA 566506 A 19880511; DE 3717976 A 19870527; DE 3861909 T 19880503; DK 286288 A 19880525; ES 88107072 T 19880503; US 19104988 A 19880506; ZA 883511 A 19880518