

Title (en)  
METHOD AND APPARATUS FOR FINE GRINDING

Publication  
**EP 0317935 A3 19900103 (EN)**

Application  
**EP 88119353 A 19881121**

Priority  
US 12563887 A 19871125

Abstract (en)  
[origin: EP0317935A2] A method and apparatus for fine grinding materials normally difficult to grind at ambient temperature, e.g. plastic and elastomeric materials and foodstuffs in a fluid classification type impact mill utilizing liquid cryogen to pre-cool the material to be ground, to cool the material and the mill during grinding and to recycle vaporized cryogen from the mill back into the mill as the medium for conveying material to be ground into the mill.

IPC 1-7  
**B02C 19/18**

IPC 8 full level  
**B02C 13/14** (2006.01); **B02C 19/18** (2006.01); **B02C 23/30** (2006.01)

CPC (source: EP KR)  
**B02C 13/14** (2013.01 - EP); **B02C 19/186** (2013.01 - EP); **B02C 23/18** (2013.01 - KR)

Citation (search report)

- [Y] DE 2952363 A1 19810702 - LINDE AG [DE]
- [Y] US 4222527 A 19800916 - DAVIS ROBERT B
- [AD] US 3771729 A 19731113 - FRABLE N

Cited by  
EP3764030A1; ES2188329A1; CN103272674A; EP0610162A3; US11872593B1; EP0584712A1; US5431348A; EP0507205A3; DE19533078A1; US5887803A; US11766678B1; WO2008109637A1

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

DOCDB simple family (publication)  
**EP 0317935 A2 19890531; EP 0317935 A3 19900103; EP 0317935 B1 19920429**; BR 8806087 A 19890808; CA 1328862 C 19940426; DE 3870587 D1 19920604; JP H01168361 A 19890703; KR 890007796 A 19890705; KR 910006231 B1 19910817; PT 89070 A 19890914; ZA 888809 B 19900725

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**EP 88119353 A 19881121**; BR 8806087 A 19881121; CA 583552 A 19881118; DE 3870587 T 19881121; JP 29590688 A 19881122; KR 880015558 A 19881125; PT 8907088 A 19881124; ZA 888809 A 19881124