

Title (en)  
COLD-GRINDING METHOD AND APPARATUS

Publication  
**EP 0362525 A3 19910116 (DE)**

Application  
**EP 89115154 A 19890817**

Priority  
DE 3833830 A 19881005

Abstract (en)  
[origin: JPH02227148A] PURPOSE: To increase the fine milling and treatment quantity of products by cooling the coarse particles flowing back from a classifying device within a fluidized-bed counter-jet mill by a cryogenic cooling medium. CONSTITUTION: The fluidized-bed counter-jet mill is provided with a grinding chamber 2 to be loaded by a jet gaseous flow, a device 7 for supplying the grinding stock, the classifying device 5 for classifying the coarse particles 11 and fine particulates 10 and a bottom 3 arranged below the grinding chamber 2 for the fed grinding stock and the coarse particles 11 flowing back from the classifying device 5. The coarse particles 11 flowing back from the classifying device 5 are cooled by the cryogenic cooling medium supplied from a supplying device 13 within the fluidized-bed counter-jet mill. Consequently, only the slight energy and cooling medium are necessitated and the fine milling and treatment quantity of the products may be increased.

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**B02C 19/06**

IPC 8 full level  
**B02C 19/06** (2006.01); **B02C 19/18** (2006.01); **B02C 23/12** (2006.01)

CPC (source: EP US)  
**B02C 19/06** (2013.01 - EP US); **Y10S 241/37** (2013.01 - EP US)

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