

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)

Citation (search report)
• [Y] EP 0139279 A2 19850502 - ALPINE AG [DE]
• [A] US 3897010 A 19750729 - WEISHAUPT JOSEF, et al
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• [A] WO 8605717 A1 19861009 - MAGYAR ALUMINIUM [HU]
• [Y] SOVIET INVENTIONS ILLUSTRATED, Woche 8431, 12. September 1984, Sektion J/M, Klasse J02/M22, Nr. 84-194530/31, Derwent Publications Ltd, London, GB; & SU-A-1 060 199 (UKR SPEC. STEELFERR) 15-12-1983

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Designated contracting state (EPC)
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DOCDB simple family (publication)
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