

Title (en)

METHOD AND APPARATUS FOR SIMULTANEOUSLY GRINDING AND COOLING SOLID SUBSTANCES

Publication

EP 0363860 A3 19910123 (DE)

Application

EP 89118670 A 19891007

Priority

DE 3834487 A 19881011

Abstract (en)

[origin: EP0363860A2] The invention relates to a method and an apparatus for the simultaneous grinding and cooling of solid substances by means of a cutting mixer. The cutting mixer is evacuated in at least one vacuum stage, and refrigerated liquefied gas is introduced into the cutting mixer in at least one cooling stage. In order to optimise the method, it is proposed to draw off the waste gas arising during the cooling stage. A waste gas valve 12 is to this end advantageously installed which is closed before the end of the vacuum stage and opens after the latter is complete in order to draw off the waste gas arising during the cooling. <IMAGE>

IPC 1-7

B02C 18/14

IPC 8 full level

B02C 18/06 (2006.01); **B02C 18/14** (2006.01)

CPC (source: EP)

B02C 18/065 (2013.01)

Citation (search report)

- [Y] DE 3344521 A1 19850620 - IGU IND GASE UNION GMBH [DE]
- [Y] FR 2485950 A1 19820108 - CARBOXYQUE FRANCAISE [FR]
- [Y] FR 2166922 A5 19730817 - SEYDELMANN HORST
- [Y] US 4476686 A 19841016 - MADSEN SCOTT T [US], et al
- [AD] EP 0195919 A2 19861001 - LINDE AG [DE]

Cited by

WO2005039309A1

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EP 0363860 A2 19900418; EP 0363860 A3 19910123; EP 0363860 B1 19940406; AT E103842 T1 19940415; DE 3834487 A1 19900412; DE 58907395 D1 19940511; ES 2053903 T3 19940801

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