

Title (en)

METHOD OF DEAERATING VISCOUS GRINDABLE MATERIAL, USE OF AN AGITATOR MILL FOR CARRYING OUT THAT METHOD AND AGITATOR MILL

Publication

**EP 0019834 B1 19820929 (DE)**

Application

**EP 80102784 A 19800520**

Priority

DE 2921408 A 19790526

Abstract (en)

[origin: US4382557A] A de-aerating agitating mill, especially for paints, pigments and the like in which the mixing chamber is closed off from a discharge chamber which may be subjected to reduced pressure. The closure is effected by a separator device consisting of a central disk which is attached to the stirrer or agitator shaft and rotates in a hole within a stationary part of the casing. A narrow, annular gap between the periphery of the disk and the rim of the hole acts as an outlet channel through which the ground or mixed stock is extruded. The shear stresses exerted on the stock rupture the material and burst any air bubbles which are then removed by the vacuum.

IPC 1-7

**B02C 17/16**; **B02C 23/00**

IPC 8 full level

**B01D 19/00** (2006.01); **B01F 7/00** (2006.01); **B02C 17/16** (2006.01); **B02C 23/00** (2006.01)

CPC (source: EP US)

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Cited by

CN103394213A; EP0549552A1; US5361996A

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**EP 0019834 A1 19801210**; **EP 0019834 B1 19820929**; **EP 0019834 B2 19860514**; AT E1601 T1 19821015; DE 2921408 A1 19801127; DE 3060896 D1 19821111; JP S55157339 A 19801208; JP S6329590 B2 19880614; US 4382557 A 19830510

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