

Title (en)  
AGITATOR MILL

Publication  
**EP 0058886 B1 19860507 (DE)**

Application  
**EP 82101000 A 19820211**

Priority  
DE 3106062 A 19810219

Abstract (en)  
[origin: US4496106A] An agitator-grinder comprises a grinding vessel (3) and an agitator mechanism disposed in the grinding vessel (3) and drivable at high speed, between which agitator mechanism and the wall of the grinding vessel there is a grinding chamber partially filled with auxiliary grinding bodies. A grinding stock inflow conduit (20) discharges into the grinding chamber at one end, and a separator device (25) for separating the ground stock from the auxiliary grinding bodies (24) is provided at the other end. In order to enable the recirculation of the auxiliary grinding bodies (24) in a simple manner and in particular also to enable the exertion of influence on the return flow, a return flow conduit (34) is directed out of the grinding chamber (annular-cylindrical chamber 23) in the vicinity of the separator device (25) back into the vicinity of the grinding stock inflow conduit (20), being attached to the grinding vessel (3) in a stationary manner, and the free cross section of the return flow conduit (34) is variable.

IPC 1-7  
**B02C 17/16**

IPC 8 full level  
**B02C 17/16** (2006.01)

CPC (source: EP US)  
**B02C 17/166** (2013.01 - EP US)

Citation (examination)  
DE 2811899 A1 19790927 - FRYMA MASCH AG

Cited by  
EP0700721A1; EP0483808A1; US5320284A; DE4432200C1; EP0322623A3; US5062577A; AU616412B2; DE19839210B4; EP0312932A3; US5033682A; EP0700722A1; EP0700723A1; EP0982074A1; WO8809212A1

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

DOCDB simple family (publication)  
**EP 0058886 A2 19820901; EP 0058886 A3 19840530; EP 0058886 B1 19860507**; DE 3106062 A1 19820909; DE 3270933 D1 19860612; DK 154475 B 19881121; DK 154475 C 19890522; DK 70782 A 19820820; JP H0260380 B2 19901217; JP S57147449 A 19820911; US 4496106 A 19850129

DOCDB simple family (application)  
**EP 82101000 A 19820211**; DE 3106062 A 19810219; DE 3270933 T 19820211; DK 70782 A 19820218; JP 1647182 A 19820205; US 34636582 A 19820205