

Title (en)  
PLURAL-STAGE MILL

Publication  
**EP 0347948 A3 19901219 (DE)**

Application  
**EP 89113826 A 19861203**

Priority  
DE 3543370 A 19851207

Abstract (en)  
[origin: US4747550A] A grinding mill containing a plurality of milling sections and composed of: a single cylindrical stator common to all milling sections; a rotor mounted in the stator for rotation about the longitudinal axis of the stator and having a plurality of milling plates spaced apart along the longitudinal axis and each disposed in a respective milling section; and a blower facility fastened to the rotor for rotation therewith and disposed near the bottom of the stator below the lowermost milling section for conveying material to be ground and conveyor gas through a central opening in the bottom of the stator to the milling sections. An auxiliary flow inducing device is connected to the outlet of the mill. The mill further includes a finger sifter mounted adjacent the outlet end of the milling sections and rotated at a rate selected independently of the rate of rotation of the rotor. Each milling plate can be formed to have an irregular working surface.

IPC 1-7  
**B02C 13/14**; **B02C 13/288**; **B02C 13/30**

IPC 8 full level  
**B02C 13/14** (2006.01); **B02C 13/288** (2006.01); **B02C 13/30** (2006.01); **B02C 23/28** (2006.01)

CPC (source: EP US)  
**B02C 13/14** (2013.01 - EP US); **B02C 13/288** (2013.01 - EP US); **B02C 13/30** (2013.01 - EP US); **B02C 23/28** (2013.01 - EP US);  
**B02C 2013/145** (2013.01 - EP US)

Citation (search report)  
• [Y] CH 450875 A 19680430 - STURTEVANT MILL CO [US]  
• [Y] US 4478371 A 19841023 - WILLIAMS ROBERT M [US]  
• [Y] FR 2380817 A1 19780915 - JAGER HEINZ [DE]

Cited by  
CN108940451A; EP1555286A3; US9523014B2; WO2007006456A3; WO2008152451A3; WO2008001226A3; WO2008020324A3;  
WO2008004131A3; WO2008047237A3; WO2008015579A3

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)  
**EP 0347948 A2 19891227**; **EP 0347948 A3 19901219**; AT E65191 T1 19910815; DE 3543370 A1 19870611; DE 3680305 D1 19910822;  
EP 0226900 A2 19870701; EP 0226900 A3 19880622; EP 0226900 B1 19910717; ES 2023804 B3 19920216; US 4747550 A 19880531

DOCDB simple family (application)  
**EP 89113826 A 19861203**; AT 86116844 T 19861203; DE 3543370 A 19851207; DE 3680305 T 19861203; EP 86116844 A 19861203;  
ES 86116844 T 19861203; US 86393586 A 19860516