

Title (en)  
MILLING SYSTEM

Publication  
**EP 0358790 B1 19920805 (DE)**

Application  
**EP 88114990 A 19880914**

Priority  
EP 88114990 A 19880914

Abstract (en)  
[origin: EP0358790A1] The milling system serves for fine milling free-flowing material, in particular for producing colour pigment dispersion, has a horizontally lying housing, to one end of which the material is fed by means of a conveying device and at the other end of which it is removed. In its housing, a circumferentially driven shaft is arranged concentrically. At least one milling roller is provided in the annular channel constructed between the housing and shaft, which milling roller is driven by the shaft at the same speed of rotation and cooperates with the housing inner wall or the shaft surface. The rollers (52), the shaft part (44) corresponding thereto and the milling space (42a) are of conical construction. The shaft (27) is axially displaceable in relation to the rollers (52), and the thrust required for displacement is exerted by means of a shaft part (27a) which leads axially into the conically constructed shaft part (44) which corresponds to the rollers. <IMAGE>

IPC 1-7  
**B02C 15/16**; **B02C 17/16**

IPC 8 full level  
**B02C 15/08** (2006.01); **B02C 15/16** (2006.01); **B02C 17/16** (2006.01)

CPC (source: EP)  
**B02C 15/08** (2013.01); **B02C 15/16** (2013.01); **B02C 17/166** (2013.01)

Cited by  
CN110252451A; CN103357489A; CN110170358A; CN102935397A; CN102784696A; CN115212976A

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

DOCDB simple family (publication)  
**EP 0358790 A1 19900321**; **EP 0358790 B1 19920805**; AT E79054 T1 19920815; DE 3873538 D1 19920910; ES 2034080 T3 19930401; GR 3006190 T3 19930621

DOCDB simple family (application)  
**EP 88114990 A 19880914**; AT 88114990 T 19880914; DE 3873538 T 19880914; ES 88114990 T 19880914; GR 920402468 T 19921106