

Title (en)  
APPARATUS FOR OBTAINING DISPERSIONS

Publication  
**EP 0034548 B1 19900103 (FR)**

Application  
**EP 81420010 A 19810211**

Priority  
FR 8003217 A 19800213

Abstract (en)  
[origin: ES8201438A1] The present invention relates to a process and a device for the preparation of fine and uniform dispersions of a divided product in a liquid. A powder and a liquid are fed at a constant flow rate into the device at separate points, and are instantaneously and independently brought up to speed and then brought into contact with each other in a dynamic manner. The process is carried out by means of a turbine composed of at least two non-continuous parts which do not allow the products to return to the center of the turbine, two separate pipes, namely a feed pipe for the powder and a feed pipe for the liquid, and a discharge pipe for the dispersion. The invention applies particularly to liquids possessing a high solvating power with respect to the powders with which they are to be mixed.

IPC 1-7  
**B01F 3/12; B01F 5/16**

IPC 8 full level  
**B01F 3/08** (2006.01); **B01F 3/12** (2006.01); **B01F 5/16** (2006.01); **B01F 7/16** (2006.01); **B01F 25/64** (2022.01); **C08J 3/02** (2006.01); **C08L 1/00** (2006.01); **C08L 27/00** (2006.01); **C08L 27/06** (2006.01)

CPC (source: EP US)  
**B01F 23/53** (2022.01 - EP US); **B01F 25/64** (2022.01 - EP US)

Citation (examination)  
• US 3923289 A 19751202 - DANBERG VICTOR  
• US 4176972 A 19791204 - STILING RODNEY A [US]  
• US 3423075 A 19690121 - KNUDSEN LAWRENCE B, et al

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

DOCDB simple family (publication)  
**EP 0034548 A1 19810826; EP 0034548 B1 19900103**; BR 8100929 A 19810825; CA 1160937 A 19840124; DE 3177138 D1 19900208; ES 499364 A0 19811216; ES 8201438 A1 19811216; FR 2475418 A1 19810814; FR 2475418 B1 19841221; JP H059456 B2 19930205; JP S56152840 A 19811126; SU 1276250 A3 19861207; US 4529321 A 19850716

DOCDB simple family (application)  
**EP 81420010 A 19810211**; BR 8100929 A 19810213; CA 370737 A 19810212; DE 3177138 T 19810211; ES 499364 A 19810212; FR 8003217 A 19800213; JP 1821881 A 19810212; SU 3241897 A 19810206; US 47918683 A 19830328