

Title (en)

DEVICE FOR DISPERSING AND/OR EMULSIFICATION OF A MIXTURE CONSISTING OF AT LEAST TWO MATERIALS

Publication

**EP 0158358 A3 19880720 (DE)**

Application

**EP 85104422 A 19850411**

Priority

DE 3413675 A 19840411

Abstract (en)

[origin: US4687339A] Improved dispersion or emulsification of a fluid medium of at least two components is obtained with an apparatus comprising a stator, a rotor journaled for rotation in close proximity to the stator and separated from the stator by a small gap, through passages in the rotor, a plurality of spaced inlets in the stator which open radially into the gap between the rotor and stator, and a means adjacent the rotor oppositely of the stator for collecting the dispersion or emulsification. There is at least one inlet in the stator for each of the components being dispersed or emulsified. The through passages in the rotor, the gap between the rotor and stator, and the inlets in the stator define at least one shearing field at the interface of the rotor and the stator.

IPC 1-7

**B01F 5/06**

IPC 8 full level

**B01F 7/00** (2006.01); **B01F 5/00** (2006.01)

CPC (source: EP US)

**B01F 27/2711** (2022.01 - EP US); **B01F 2025/912** (2022.01 - EP US)

Citation (search report)

- [A] DE 3301043 A1 19830811 - AKZO GMBH [DE]
- [A] DE 2004143 A1 19710819 - BAYER AG, et al
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- [A] US 3194540 A 19650713 - HAGER JOHN L

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0158358 A2 19851016; EP 0158358 A3 19880720**; DE 3413675 A1 19851121; DE 3413675 C2 19860626; US 4687339 A 19870818

DOCDB simple family (application)

**EP 85104422 A 19850411**; DE 3413675 A 19840411; US 72155685 A 19850410