

Title (en)

Dispersing apparatus for complete wetting of single particle powder materials

Title (de)

Dispergiervorrichtung zum allseitigen Benetzen von Primärteilchen pulvriger Stoffe

Title (fr)

Dispositif de dispersion pour le mouillage complet de matériau pulvérulent sous forme de particules primaires

Publication

**EP 0896834 A3 20010131 (DE)**

Application

**EP 98115120 A 19980812**

Priority

DE 19735000 A 19970813

Abstract (en)

[origin: EP0896834A2] The apparatus for the dispersion of powders in a liquid that is distributed over the whole outer surface of the particles comprises a set of two parallel, toothed, discs connected by a set of spacers whose length is between one-fifth and one-twentieth of the disc diameters. The spacers (15) are made of flat plates of sufficient width so that the ends, bent at right angles, provide a sufficiently large surface to allow the spacers to be bolted to the discs and hence provide a variety of assemblies.

IPC 1-7

**B01F 7/26**; **B01F 15/00**

IPC 8 full level

**B01F 27/93** (2022.01)

CPC (source: EP)

**B01F 23/56** (2022.01); **B01F 27/115** (2022.01); **B01F 27/93** (2022.01); **B01F 27/191** (2022.01)

Citation (search report)

- [A] US 2464588 A 19490315 - KNUDSEN PERCY E, et al
- [A] US 3071353 A 19630101 - SIDNEY KLEIN, et al
- [A] US 2984462 A 19610516 - O'CONNOR DONALD J
- [AD] GB 1247190 A 19710922 - MIDGETTE ERNST LELAND [US]
- [AD] US 4451155 A 19840529 - WEBER RICHARD B [US], et al
- [AD] DE 1941831 A1 19710318 - EIRICH WILHELM, et al
- [AD] US 4813787 A 19890321 - CONN LEROY C [US]

Cited by

CN111905648A; JP2014236706A; EP1015102A4; US7473025B1; AU2009210493B2; CN103391809A; EP2659958A1; CN113427656A; US11014055B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0896834 A2 19990217**; **EP 0896834 A3 20010131**; **EP 0896834 B1 20031112**; AT E253974 T1 20031115; DE 19735000 A1 19990225; DE 19735000 C2 19991021; DE 59810132 D1 20031218

DOCDB simple family (application)

**EP 98115120 A 19980812**; AT 98115120 T 19980812; DE 19735000 A 19970813; DE 59810132 T 19980812