

Title (en)

Method and device for homogenising a pumpable substance

Title (de)

Verfahren und Vorrichtung zum Homogenisieren eines pumpfähigen Stoffes

Title (fr)

Procédé et dispositif d'homogénéisation d'une matière à pomper

Publication

EP 1693102 A3 20061102 (DE)

Application

EP 06003157 A 20060216

Priority

DE 102005007175 A 20050216

Abstract (en)

[origin: EP1693102A2] Homogenizing a pumpable product comprises pressurizing the product with a pump (8) and homogenizing it in a homogenizer (12) comprising a rotor and stator and a drive unit (16), where the pump has a separate drive unit (14) independent of the homogenizer's drive unit. An independent claim is also included for apparatus for homogenizing a pumpable product, comprising a pump upstream of a homogenizer comprising a rotor and stator in a housing, where the pump is driven independently of the homogenizer.

IPC 8 full level

B01F 25/60 (2022.01); **B01J 19/00** (2006.01)

CPC (source: EP)

B01F 23/49 (2022.01); **B01F 23/56** (2022.01); **B01F 25/51** (2022.01); **B01F 25/52** (2022.01); **B01F 27/27** (2022.01); **B01F 35/1453** (2022.01); **B01F 35/213** (2022.01); **B01F 35/2132** (2022.01); **B01F 35/2202** (2022.01); **B01F 35/22142** (2022.01); **B01F 35/92** (2022.01); **B01F 23/41** (2022.01)

Citation (search report)

- [X] EP 0845291 A1 19980603 - CANADIAN FRACMASTER LTD [CA]
- [X] EP 1197260 A1 20020417 - VAKUMIX RUEHR UND HOMOGENISIER [DE]
- [X] DE 19629945 A1 19980129 - JANKE & KUNKEL KG [DE]
- [A] US 2004103783 A1 20040603 - HUDSON KELLY [US], et al
- [T] N.N. (BRAN & LUEBBE - A UNITED DOMINION COMPANY): "Bessere Produktqualität mit Hochdruck-Homogenisatoren", (kein Publikationsdatum verfügbar), pages 1 - 2, XP002382557, Retrieved from the Internet <URL:http://www.spxprocessequipment.com/sites/branluebbe/germany/deu/products/process/meganizer/pdf_files/pumpentechnik.pdf> [retrieved on 20060524]
- [T] NECKER D (HOMOGENISIERMASCHINEN TETRA PAK PROCESSING): "Kosteneinsparung in der Homogenisierung", DMZ, vol. 11, 2001, pages 471 - 472, XP002382558, Retrieved from the Internet <URL:http://www.tetrapak-processing.de/presse/pdf/homos_dmz11_2001.pdf> [retrieved on 20060524]
- [T] N.N. (VAKUMIX RÜHR- UND HOMOGENISIERUNGSTECHNIK AG): "Fortschrittliche Herstellungsprozesse für halbfeste Produkte", VERFAHRENSTECHNIK, vol. 10, 2003, pages 1/4 - 4/4, XP002382559, Retrieved from the Internet <URL:http://www.industrie-service.de/_C1256BC100329640.nsf/previewFS?OpenPage&A&UIDSorted/39EC8AE551A91AA0C1256E86002E368D> [retrieved on 20060524]

Cited by

EP3578251A3; WO2010025913A3; US8820796B2; US9249910B2; EP3578251B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1693102 A2 20060823; EP 1693102 A3 20061102; EP 1693102 B1 20130213; DE 102005007175 A1 20060817; ES 2406963 T3 20130610

DOCDB simple family (application)

EP 06003157 A 20060216; DE 102005007175 A 20050216; ES 06003157 T 20060216