

Title (en)
STIRRING MEMBER FOR STIRRING ABRASIVE MEDIA

Title (de)
RÜHRORGAN ZUM RÜHREN ABRASIVER MEDIEN

Title (fr)
ORGANE D'AGITATION POUR AGITER DES MILIEUX ABRASIFS

Publication
EP 2150330 A1 20100210 (DE)

Application
EP 08749269 A 20080430

Priority
• EP 2008003522 W 20080430
• DE 102007021056 A 20070504

Abstract (en)
[origin: CA2686331A1] Disclosed is a stirring member (1; 1a-1h), particularly for abrasive media, comprising a support disk (2; 2a-2h) to which stirring member blades (3; 3a-3h) are connected substantially perpendicular to the support disk (2; 2a-2h), said blades (3; 3a-3h) being arranged substantially in a radial direction. The support disk (2; 2a-2h) is also provided with a hub that receives a stirring shaft which is preferably motor-driven in a suitable manner. The trailing faces of the blades (3; 3a-3h) of the stirring member (1; 1a-1h) and/or the area of the blade connections to the support disk (2; 2a-2h) is/are designed to largely prevent vortex shedding. For this purpose, preferred geometrical measures for the stirring member blades (3; 3a-3h), the support disk (2; 2a-2h), and the connection of the blades (3; 3a-3h) to the support disk (2; 2a-2h) are disclosed and described.

IPC 8 full level
B01F 27/73 (2022.01); **B01F 27/93** (2022.01)

CPC (source: EP US)
B01F 23/53 (2022.01 - EP US); **B01F 27/0531** (2022.01 - EP US); **B01F 27/1123** (2022.01 - EP US); **B01F 27/1152** (2022.01 - EP US); **B01F 27/0721** (2022.01 - EP US); **B01F 27/0723** (2022.01 - EP US); **B01F 27/11253** (2022.01 - US)

Citation (search report)
See references of WO 2008135225A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007021056 A1 20081106; AU 2008248900 A1 20081113; AU 2008248900 B2 20110908; CA 2686331 A1 20081113; CA 2686331 C 20120710; EP 2150330 A1 20100210; EP 2150330 B1 20130724; US 2010118643 A1 20100513; US 9033572 B2 20150519; WO 2008135225 A1 20081113; ZA 200907262 B 20110428

DOCDB simple family (application)
DE 102007021056 A 20070504; AU 2008248900 A 20080430; CA 2686331 A 20080430; EP 08749269 A 20080430; EP 2008003522 W 20080430; US 59869808 A 20080430; ZA 200907262 A 20091016