

Title (en)  
IMPROVED APPARATUS FOR DISPERSING A WATER-SOLUBLE POLYMER

Title (de)  
VERBESSERTER VORRICHTUNG ZUR AUSGABE EINES WASSERLÖSLICHEN POLYMERS

Title (fr)  
APPAREIL PERFECTIONNE DE DISPERSION DE POLYMERES HYDROSOLUBLE

Publication  
**EP 2536489 A1 20121226 (FR)**

Application  
**EP 11708540 A 20110208**

Priority  
• FR 1051099 A 20100216  
• FR 2011050262 W 20110208

Abstract (en)  
[origin: WO2011107683A1] The invention relates to a device for dispersing a water-soluble polymer including a rotor provided with blades, a stationary stator, over all or part of the periphery of the chamber, and a ring gear supplied by a secondary water system, characterized in that the rotor blades and the stator are made of austeno-ferritic stainless steel and in that the stator is in the form of a cylinder in the walls of which vertical slots are cut out, over a portion of the height of said wall, the slots of the stator having a width of between 150 and 700 microns.

IPC 8 full level  
**B01F 7/16** (2006.01); **B01F 1/00** (2006.01); **B01F 3/12** (2006.01); **B01F 5/24** (2006.01); **B01F 7/00** (2006.01); **C22C 38/00** (2006.01); **C22C 38/42** (2006.01); **C22C 38/44** (2006.01)

CPC (source: EP US)  
**B01F 21/10** (2022.01 - EP US); **B01F 23/53** (2022.01 - EP US); **B01F 23/54** (2022.01 - EP US); **B01F 25/85** (2022.01 - EP US); **B01F 27/052** (2022.01 - EP US); **B01F 27/053** (2022.01 - EP US); **B01F 27/112** (2022.01 - US); **B01F 27/117** (2022.01 - US); **B01F 27/812** (2022.01 - EP US); **B01F 35/2116** (2022.01 - US); **B01F 35/7179** (2022.01 - US); **B02C 18/086** (2013.01 - US); **B02C 18/2225** (2013.01 - US); **C22C 38/001** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C23C 8/22** (2013.01 - EP US); **C23C 8/26** (2013.01 - EP US); **B01F 2101/2805** (2022.01 - US); **B01F 2215/0427** (2013.01 - EP US); **B01F 2215/0431** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011107683A1

Cited by  
WO2022219085A1; FR3121941A1

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

DOCDB simple family (publication)  
**WO 2011107683 A1 20110909**; BR 112012017985 A2 20160503; BR 112012017985 B1 20201027; CA 2787175 A1 20110909; CA 2787175 C 20170418; CN 102740960 A 20121017; CY 1115419 T1 20170104; EP 2536489 A1 20121226; EP 2536489 B1 20140416; MX 2012008727 A 20121129; PL 2536489 T3 20140829; US 2015352507 A1 20151210; US 9452395 B2 20160927

DOCDB simple family (application)  
**FR 2011050262 W 20110208**; BR 112012017985 A 20110208; CA 2787175 A 20110208; CN 201180007475 A 20110208; CY 141100423 T 20140611; EP 11708540 A 20110208; MX 2012008727 A 20110208; PL 11708540 T 20110208; US 201113575962 A 20110208