

Title (en)
DYNAMIC MIXER AND ITS USE

Title (de)
DYNAMISCHER MISCHER UND SEINER VERWENDUNG

Title (fr)
MELANGEUR DYNAMIQUE ET SON UTILISATION

Publication
EP 1771241 B1 20090225 (DE)

Application
EP 05762079 A 20050702

Priority
• EP 2005007177 W 20050702
• DE 102004034395 A 20040716

Abstract (en)
[origin: US7871193B2] A mixer having improved axial and radial mixing which retains good mixing time even during large viscosity changes, comprising a housing with at least one helical or anchor agitator located centrally in the housing in combination with at least one eccentrically arranged screw or blade agitator, preferably in mutual engagement, the combination of a helical agitator and a screw agitator enabling a much shorter mixing time as compared to a mixer having only a helical agitator without a screw agitator.

IPC 8 full level
B01F 23/47 (2022.01)

CPC (source: EP US)
B01F 27/85 (2022.01 - EP US); **B01F 27/922** (2022.01 - EP US); **B01F 23/47** (2022.01 - EP US); **B01F 27/1143** (2022.01 - EP US); **B01F 27/1145** (2022.01 - EP US); **B01F 2215/0409** (2013.01 - EP US); **B01F 2215/0422** (2013.01 - EP US)

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

DOCDB simple family (publication)
US 2007237024 A1 20071011; **US 7871193 B2 20110118**; AT E423616 T1 20090315; CN 101022883 A 20070822; CN 101022883 B 20111019; DE 102004034395 A1 20060216; DE 502005006704 D1 20090409; EP 1771241 A1 20070411; EP 1771241 B1 20090225; JP 2008506512 A 20080306; WO 2006007967 A1 20060126

DOCDB simple family (application)
US 57214605 A 20050702; AT 05762079 T 20050702; CN 200580031181 A 20050702; DE 102004034395 A 20040716; DE 502005006704 T 20050702; EP 05762079 A 20050702; EP 2005007177 W 20050702; JP 2007520708 A 20050702