

Title (en)

DOUBLE-CHAMBER MIXING DEVICE FOR VISCOUS PHARMACEUTICAL SUBSTANCES AND METHOD

Title (de)

DOPPELKAMMER-MISCHVORRICHTUNG FÜR VISKÖSE PHARMAZEUTISCHE SUBSTANZEN UND VERFAHREN

Title (fr)

DISPOSITIF DE MELANGE A DOUBLE CHAMBRE POUR SUBSTANCES PHARMACEUTIQUES VISQUEUSES ET PROCEDE

Publication

EP 1883465 A1 20080206 (FR)

Application

EP 06752699 A 20060523

Priority

- BE 2006000058 W 20060523
- US 68433805 P 20050524

Abstract (en)

[origin: WO2006125284A1] The invention concerns a double-chamber device for mixing at least two viscous substances, comprising: cylindrical and coaxial first (1) and second (2) communicating vessels, each hermetically sealed at one end by a mobile piston (12, 22) and provided at its second end with a slightly conical bottom end (11, 21), the two vessels (1, 2) being arranged, preferably vertically, in mirror symmetry relative to a meridian plane perpendicular to their common axis; a central mixing element (5) connecting the two vessels (1, 2) at the two slightly conical bottom ends (11, 21); a high-pressure hydraulic device for automatically activating the pistons in a coordinated reciprocating movement.

IPC 8 full level

B01F 5/06 (2006.01); **B01F 15/02** (2006.01); **B01F 15/06** (2006.01)

CPC (source: EP US)

B01F 25/4512 (2022.01 - EP US); **B01F 35/7161** (2022.01 - EP US); **B01F 35/7174** (2022.01 - EP US); **B01F 35/71775** (2022.01 - EP US); **B01F 35/71805** (2022.01 - EP US); **B01F 35/7547** (2022.01 - EP US); **B01F 35/92** (2022.01 - EP US); **B01F 2101/22** (2022.01 - EP US)

Citation (search report)

See references of WO 2006125284A1

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)

WO 2006125284 A1 20061130; AT E455588 T1 20100215; CA 2609438 A1 20061130; CA 2609438 C 20140708; CY 1109930 T1 20140409; DE 602006011876 D1 20100311; DK 1883465 T3 20100517; EA 012125 B1 20090828; EA 200702272 A1 20080428; EP 1883465 A1 20080206; EP 1883465 B1 20100120; ES 2339384 T3 20100519; PL 1883465 T3 20100630; PT 1883465 E 20100414; SI 1883465 T1 20100531; US 2008212399 A1 20080904; US 7878704 B2 20110201

DOCDB simple family (application)

BE 2006000058 W 20060523; AT 06752699 T 20060523; CA 2609438 A 20060523; CY 101100310 T 20100331; DE 602006011876 T 20060523; DK 06752699 T 20060523; EA 200702272 A 20060523; EP 06752699 A 20060523; ES 06752699 T 20060523; PL 06752699 T 20060523; PT 06752699 T 20060523; SI 200630625 T 20060523; US 91511806 A 20060523