

Title (en)

Capsule holder for rotational mixing device

Title (de)

Kapselhalter für Rotations-Mischgerät

Title (fr)

Dispositif de support de capsule pour appareil de mixage par rotation

Publication

EP 0872271 B1 20030129 (DE)

Application

EP 98106899 A 19980415

Priority

DE 29707012 U 19970418

Abstract (en)

[origin: CA2234011A1] A capsule holder for retaining a mixing capsule on a rotary mixing device includes a carrier plate 10, an actuator disk 11 rotatable relative to the plate, and two retaining arms 12, 13 for clamping the capsule from opposite sides, the retaining arms having driving pins 22 engaging spiral cam slots 26 of the actuator disk 11. By rotating the actuator disk 11, the retaining arms 12, 13 are moved away from, or toward, each other. The thus constituted gearing is self-locking in one direction of force transmission so that centrifugal forces exerted on the retaining arms 12, 13 during rotation cannot move the arms apart. On the other hand, the retaining arms 12, 13 are opened with little effort by rotating the actuator disk 11.

IPC 1-7

B01F 9/00; **A61C 5/06**

IPC 8 full level

A61C 5/06 (2006.01); **B01F 9/00** (2006.01); **B01F 9/22** (2006.01); **B01F 11/00** (2006.01); **B01F 15/00** (2006.01); **B01F 29/90** (2022.01)

CPC (source: EP US)

B01F 31/201 (2022.01 - EP US); **B01F 35/422** (2022.01 - EP US); **Y10S 366/602** (2013.01 - EP US)

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DOCDB simple family (publication)

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DE 29707012 U 19970418; AU 6077198 A 19980414; CA 2234011 A 19980406; DE 59807037 T 19980415; EP 98106899 A 19980415; JP 10737898 A 19980417; US 36984999 A 19990809; US 6190998 A 19980417