

Title (en)
Shaking device and method

Title (de)
Rüttelvorrichtung und -verfahren

Title (fr)
Dispositif et procédé secouage

Publication
EP 2821127 B1 20160525 (FR)

Application
EP 14173828 A 20140625

Priority
FR 1356407 A 20130701

Abstract (en)
[origin: US2015003183A1] Device for shaking, within a rigid container, a powder and liquid, for conducting a test on the shaken content, includes: a frame; a first plate assembled thereto; a second plate assembled indirectly to the frame, arranged close to the first plate and movable relative to the frame and first plate; and a drive unit for moving the second plate relative to the frame and first plate. The container is carried by the second plate and is movably mounted relative thereto; the first plate includes a stop fixedly mounted on the first plate; and the second plate is moved relative to the first plate by the drive unit, in an alternating and periodic translational and/or rotational motion between a proximal position and a distal position, to move the container relative to the second plate and cause a series of impacts between the container and the stop to achieve a non-periodic shaking.

IPC 8 full level
B01F 3/12 (2006.01); **B01F 11/00** (2006.01); **B01F 11/02** (2006.01); **B01F 15/00** (2006.01); **B01F 15/02** (2006.01); **B04B 5/04** (2006.01)

CPC (source: EP US)
B01F 23/50 (2022.01 - EP US); **B01F 29/15** (2022.01 - US); **B01F 31/20** (2022.01 - US); **B01F 31/23** (2022.01 - US);
B01F 31/25 (2022.01 - EP US); **B01F 31/50** (2022.01 - EP US); **B01F 31/861** (2022.01 - EP US); **B01F 35/453** (2022.01 - EP US);
B01F 35/7174 (2022.01 - EP US); **B01F 35/7548** (2022.01 - EP US); **B04B 5/0421** (2013.01 - EP US); **B04B 9/10** (2013.01 - US)

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)
EP 2821127 A1 20150107; **EP 2821127 B1 20160525**; CN 104280287 A 20150114; CN 104280287 B 20180921; FR 3007671 A1 20150102;
FR 3007671 B1 20150717; US 10010837 B2 20180703; US 2015003183 A1 20150101

DOCDB simple family (application)
EP 14173828 A 20140625; CN 201410309645 A 20140701; FR 1356407 A 20130701; US 201414319118 A 20140630