

Title (en)

A REFLECTOR FOR AN ACOUSTOPHORETIC DEVICE

Title (de)

REFLEKTOR FÜR EINE AKUSTOPHORETISCHE VORRICHTUNG

Title (fr)

RÉFLECTEUR POUR UN DISPOSITIF ACOUSTOPHORÉTIQUE

Publication

EP 3126028 A1 20170208 (EN)

Application

EP 15733002 A 20150403

Priority

- US 201461975035 P 20140404
- US 2015024365 W 20150403

Abstract (en)

[origin: WO2015160538A1] An apparatus includes a flow chamber having at least one inlet and at least one outlet. At least one ultrasonic transducer is located on a wall of the flow chamber, which operates to create a multi-dimensional acoustic standing wave in the flow chamber. A reflector is located on the wall on the opposite side of the flow chamber from the at least one ultrasonic transducer. The reflector is formed from a thin structure that provides a pressure release boundary, such as a plastic film/air interface.

IPC 8 full level

B01D 21/28 (2006.01); **B01D 49/00** (2006.01); **B06B 1/06** (2006.01)

CPC (source: CN EP KR)

B01D 21/283 (2013.01 - CN EP KR); **B06B 1/0644** (2013.01 - CN EP KR); **G10K 11/20** (2013.01 - KR); **G10K 11/20** (2013.01 - CN EP)

Citation (search report)

See references of WO 2015160538A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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