

Title (en)
A MIXER AND A METHOD FOR OPERATING THE SAME

Title (de)
MISCHER UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)
MÉLANGEUR ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
EP 3406974 A1 20181128 (EN)

Application
EP 17172854 A 20170524

Priority
EP 17172854 A 20170524

Abstract (en)
The mixer (7) comprises a housing (15), a duct (16) within the housing (15), at least a first injector (17a) and a second injector (17b) for injecting a fluid having a fluctuating mass flow into the duct (16). The first injector (17a) and the second injector (17b) are at a distance (D) such that the fluid mass flow injected through the first injector (17a) reaches the second injector (17b) in phase opposition with the fluid mass flow injected through the second injector (17b). The first and the second injectors (17a, 17b) are configured and arranged for injecting a mass flow having substantially the same fluctuation amplitude.

IPC 8 full level
F23R 3/28 (2006.01)

CPC (source: CN EP)
F23R 3/286 (2013.01 - CN EP); **F23R 2900/00013** (2013.01 - EP)

Citation (search report)

- [XA] US 5943866 A 19990831 - LOVETT JEFFERY ALLAN [US], et al
- [A] US 2015226434 A1 20150813 - NAKAMURA SOSUKE [JP], et al
- [A] US 2007074518 A1 20070405 - ROGERS THOMAS J C [US], et al
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WO2024148158A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3406974 A1 20181128; EP 3406974 B1 20201111; CN 108954386 A 20181207; CN 108954386 B 20220308

DOCDB simple family (application)
EP 17172854 A 20170524; CN 201810507686 A 20180524