

Title (en)

COMPACT COILED FLOW INVERTERS AS IN-LINE MIXERS

Title (de)

KOMPAKTE GEWICKELTE STRÖMUNGSWECHSELRICHTER ALS INLINE-MISCHER

Title (fr)

ONDULEURS À FLUX SPIRALÉ COMPACTS UTILES EN TANT QUE MÉLANGEURS EN LIGNE

Publication

EP 3574276 A1 20191204 (EN)

Application

EP 17894418 A 20171215

Priority

- IN 201711003181 A 20170127
- IB 2017057982 W 20171215

Abstract (en)

[origin: WO2018138566A1] Compact coiled flow inverters are proposed to be used as in-line mixers. Rectangular Spiral Pattern-Compact Coiled Flow Inverter and Crosshatch Pattern-Compact Coiled Flow Inverter employ six and fifteen flow inversions, respectively, to rotate periodically the Dean cells by 90° thereby allowing significant enhancement in transverse mixing at low shear.

IPC 8 full level

F28D 7/02 (2006.01)

CPC (source: EP)

B01F 25/4331 (2022.01); **B01F 25/4332** (2022.01)

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)

WO 2018138566 A1 20180802; EP 3574276 A1 20191204; EP 3574276 A4 20201111

DOCDB simple family (application)

IB 2017057982 W 20171215; EP 17894418 A 20171215