

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)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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