

Title (en)

FAN WHEEL DRIVEN IN ONLY ONE ROTATIONAL DIRECTION

Title (de)

IN NUR EINER DREHRICHTUNG ANGETRIEBENES LÜFTERRAD

Title (fr)

ROUE DE VENTILATEUR ENTRAÎNÉE DANS UN SEUL SENS DE ROTATION

Publication

**EP 3743626 A1 20201202 (DE)**

Application

**EP 19749176 A 20190531**

Priority

- DE 102018114534 A 20180618
- DE 2019100480 W 20190531

Abstract (en)

[origin: WO2019242799A1] Disclosed is a fan wheel which can be driven in only one rotational direction and in which the fan blades can be flipped about a reversal plane extending perpendicularly to the plane of revolution by rotating the fan wheel under the effect of inertia and by subjecting the fan blades to aerodynamic forces such that the direction of propulsion of the fan blades is inverted.

IPC 8 full level

**F04D 29/36** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP RU US)

**F01D 7/02** (2013.01 - US); **F04D 19/005** (2013.01 - US); **F04D 29/36** (2013.01 - RU); **F04D 29/366** (2013.01 - EP US); **F04D 29/382** (2013.01 - EP)

Citation (search report)

See references of WO 2019242799A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102018114534 A1 20191219**; **DE 102018114534 B4 20201008**; BR 112020025836 A2 20210406; CN 111936750 A 20201113; CN 111936750 B 20220412; EP 3743626 A1 20201202; EP 3743626 B1 20210908; ES 2898347 T3 20220307; PL 3743626 T3 20220131; RU 2741533 C1 20210126; US 2021164355 A1 20210603; WO 2019242799 A1 20191226

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