

Title (en)
FLOW GENERATING DEVICE

Title (de)
STRÖMUNGSGENERATOR

Title (fr)
DISPOSITIF DE PRODUCTION D'ÉCOULEMENT

Publication
EP 3677787 A4 20210505 (EN)

Application
EP 18852405 A 20180510

Priority
• KR 20170112088 A 20170901
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Abstract (en)
[origin: EP3677787A1] A flow generator according to an embodiment of the present invention includes: a fan configured to generate a first air flow and a second air flow, which flow to close to each other in a vertical direction; a fan housing configured to accommodate the fan; a cover disposed to surround the fan and the fan housing; and a catch device configured to guide selective coupling between the cover and the fan housing, wherein the catch device perform a first operation to restrict or release the cover and the fan housing in a circumferential direction and perform a second operation to restrict or release the cover and the fan housing in the vertical direction.

IPC 8 full level
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Citation (search report)
• [IA] WO 2011081475 A2 20110707 - YUN KEUN SOO
• [YA] KR 101416303 B1 20140709 - NEFRON CO LTD [KR], et al
• [A] FR 1528640 A 19680614
• [YA] US 5035398 A 19910730 - CHIANG CHAO-CHENG [TW]
• [A] US 4457672 A 19840703 - OGURA MASATO [JP], et al
• See references of WO 2019045221A1

Cited by
EP3936775A1

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

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EP 3677787 A1 20200708; **EP 3677787 A4 20210505**; CN 211230883 U 20200811; KR 102407570 B1 20220610; KR 20190025444 A 20190311; US 2020191153 A1 20200618; WO 2019045221 A1 20190307

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