

Title (en)
SERIES FAN

Title (de)
REIHENLÜFTER

Title (fr)
VENTILATEUR EN SÉRIE

Publication
EP 4112942 B1 20240522 (EN)

Application
EP 22180848 A 20220623

Priority
• EP 21182683 A 20210630
• LU 102838 A 20210706

Abstract (en)
[origin: EP4112942A1] A series fan (1) includes a first fan (11) and a second fan (21). The first fan (11) includes a first frame body (111) with a wind incoming side (1111) and a connection side (1113) at two sides, a first dynamic blade impeller (13) and a first shaft seat (15). The first dynamic blade impeller (13) is pivotally disposed on the first shaft seat (15) and has first dynamic blades (131). The second fan (21) includes a second frame body (211), a second dynamic blade impeller (23) and a second shaft seat (25). Two sides of the second frame body (211) are formed with a wind outgoing side (2111) and a mating side (2113) mated with the connection side in communication therewith. The second dynamic blade impeller (23) is pivotally disposed on the second shaft seat (25) and has second dynamic blades (231). At least one connected section (2311) of the second dynamic blade (231) is connected with at least one connection section (1311) of the first dynamic blade (131) to form integrally a driving blade (31).

IPC 8 full level
F04D 19/00 (2006.01); **F04D 29/38** (2006.01); **F04D 29/64** (2006.01)

CPC (source: EP)
F04D 19/007 (2013.01); **F04D 29/388** (2013.01); **F04D 29/646** (2013.01); **F05D 2230/53** (2013.01)

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

DOCDB simple family (publication)
EP 4112942 A1 20230104; **EP 4112942 B1 20240522**; **EP 4112942 C0 20240522**; HR P20240990 T1 20241025; PL 4112942 T3 20240930

DOCDB simple family (application)
EP 22180848 A 20220623; HR P20240990 T 20220623; PL 22180848 T 20220623