

Title (en)
MULTIBLADE CENTRIFUGAL FAN

Title (de)
ZENTRIFUGALGEBLÄSE MIT MEHREREN SCHAUFELN

Title (fr)
VENTILATEUR CENTRIFUGE MULTI-PALES

Publication
EP 3505769 B1 20210407 (EN)

Application
EP 18188101 A 20180808

Priority
JP 2017249168 A 20171226

Abstract (en)
[origin: EP3505769A1] In the multiblade centrifugal fan including the impeller 1 and a scroll casing 2 disposed to surround the impeller 1, the holding ring 6 of the impeller 1 includes a holding ring first end face 6a which is substantially vertical to a center axis of the impeller 1 and is an endmost part of the impeller 1, a holding ring inner surface 6c which is substantially parallel to the center axis of the impeller 1 and connected with the blades 5, and a connection surface 6e configured between the holding ring first end face 6a and the holding ring inner surface 6c.

IPC 8 full level
F04D 29/16 (2006.01); **F04D 29/28** (2006.01)

CPC (source: CN EP)
F04D 25/08 (2013.01 - CN); **F04D 29/162** (2013.01 - EP); **F04D 29/281** (2013.01 - CN); **F04D 29/282** (2013.01 - EP); **F04D 29/30** (2013.01 - CN); **F04D 29/666** (2013.01 - CN); **F04D 29/667** (2013.01 - CN)

Citation (examination)
WO 2010035526 A1 20100401 - DAIKIN IND LTD [JP], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3505769 A1 20190703; EP 3505769 B1 20210407; CN 109958633 A 20190702; CN 109958633 B 20220218; ES 2871900 T3 20211102; JP 2019113037 A 20190711; JP 6844526 B2 20210317

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