

Title (en)
CENTRIFUGAL FAN AND AIR SUPPLY DEVICE

Title (de)
ZENTRIFUGALLÜFTER UND LUFTVERSORGUNGSVORRICHTUNG

Title (fr)
VENTILATEUR CENTRIFUGE ET DISPOSITIF D'ALIMENTATION EN AIR

Publication
EP 4050221 A4 20221221 (EN)

Application
EP 20914498 A 20200618

Priority

- CN 202010060655 A 20200119
- CN 202010060619 A 20200119
- CN 2020096821 W 20200618

Abstract (en)
[origin: EP4050221A1] Disclosed are a centrifugal fan (100) and an air supply device. The centrifugal fan (100) includes a volute (101) having a mounting space (1011) in the volute (101); and a fan wheel (102) arranged in the mounting space (1011), in which the volute (101) is provided with a volute tongue (1012) and a throat (1013), and a distance between the volute tongue (1012) and the fan wheel (102) is greater than a distance between the throat (1013) and the fan wheel (102). The fan can reduce the working noise, slow down the air leakage of the volute and increase the air output volume.

IPC 8 full level
F04D 29/42 (2006.01); **F04D 17/16** (2006.01)

CPC (source: EP)
F04D 17/162 (2013.01); **F04D 29/422** (2013.01); **F04D 29/4226** (2013.01)

Citation (search report)

- [XYI] US 2005281669 A1 20051222 - SOHN SANG B [KR], et al
- [Y] WO 2019082949 A1 20190502 - MITSUBISHI ELECTRIC CORP [JP]
- [XI] US 2016047386 A1 20160218 - UEHARA AKIMASA [JP], et al
- [XI] CN 110145493 A 20190820 - NINGBO FOTILE KITCHEN WARE CO
- See also references of WO 2021143044A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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EP 20914498 A 20200618; CN 2020096821 W 20200618