

Title (en)

COVER PLATE FOR A FAN, IMPELLER AND FAN THEREWITH

Title (de)

ABDECKPLATTE FÜR EINEN LÜFTER, LÜFTERRAD UND LÜFTER DAMIT

Title (fr)

PLAQUE DE RECOUVREMENT DE VENTILATEUR, HÉLICE ET VENTILATEUR LA COMPORTANT

Publication

EP 3704385 A1 20200909 (EN)

Application

EP 18807706 A 20181030

Priority

- GB 201717842 A 20171030
- IB 2018058508 W 20181030

Abstract (en)

[origin: WO2019087078A1] A cover plate 2 for a fan comprises an outer surface 18 and an inner surface 19. The inner surface 19 comprises a tapering projection 12 that projects and narrows away from the outer surface 18. This improves air flow into the fan, reducing cross-currents, eddies and turbulence and making the flow more laminar.

IPC 8 full level

F04D 29/28 (2006.01); **F04D 17/06** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/66** (2006.01); **F04D 29/70** (2006.01); **F24F 13/08** (2006.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP GB)

F04D 25/08 (2013.01 - GB); **F04D 29/281** (2013.01 - EP); **F04D 29/403** (2013.01 - GB); **F04D 29/4213** (2013.01 - EP); **F04D 29/441** (2013.01 - EP); **F04D 29/667** (2013.01 - EP GB); **F24F 7/013** (2013.01 - GB); **F24F 13/08** (2013.01 - GB); **F24F 13/081** (2013.01 - EP); **F24F 13/20** (2013.01 - GB); **F24F 13/24** (2013.01 - GB); **F04D 17/06** (2013.01 - EP); **F04D 29/703** (2013.01 - EP); **F05D 2250/232** (2013.01 - EP); **F05D 2250/51** (2013.01 - EP); **F24F 13/20** (2013.01 - EP); **F24F 13/24** (2013.01 - EP)

Citation (search report)

See references of WO 2019087078A1

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

DOCDB simple family (publication)

WO 2019087078 A1 20190509; EP 3704385 A1 20200909; EP 3704385 B1 20230607; GB 201717842 D0 20171213; GB 2568234 A 20190515; GB 2568234 B 20211208

DOCDB simple family (application)

IB 2018058508 W 20181030; EP 18807706 A 20181030; GB 201717842 A 20171030