

Title (en)

FAN BLADE AND CORRESPONDING FAN

Title (de)

LÜFTERSCHAUFEL UND ENTSPRECHENDER LÜFTER

Title (fr)

AUBE DE SOUFFLANTE ET SOUFFLANTE CORRESPONDANTE

Publication

EP 3364041 A1 20180822 (EN)

Application

EP 17175886 A 20170613

Priority

US 201762460126 P 20170217

Abstract (en)

In order to overcome the limitations and problems that earlier apparatus have experienced, a fan blade (12) is proposed, said fan blade (12) comprising an interior space (16) and a plurality of holes (26) in fluid communication with said interior space (16) and from which a high pressure cryogenic gas (34) is ejected for cleaning a surface (14) of the fan blade (12). A corresponding self-cleaning fan (10) is also proposed.

IPC 8 full level

F04D 29/32 (2006.01); **B08B 5/02** (2006.01); **F04D 29/38** (2006.01); **F04D 29/70** (2006.01); **F25D 13/06** (2006.01)

CPC (source: EP)

B08B 5/02 (2013.01); **F04D 29/325** (2013.01); **F04D 29/38** (2013.01); **F04D 29/705** (2013.01); **F04D 25/06** (2013.01); **F25D 13/06** (2013.01); **F25D 21/10** (2013.01); **F25D 2317/0681** (2013.01); **F25D 2400/22** (2013.01)

Citation (search report)

- [A] EP 2884206 A1 20150617 - LINDE AG [DE]
- [A] EP 1804004 A2 20070704 - LG ELECTRONICS INC [KR]
- [A] US 2014166048 A1 20140619 - BERGHOFF RUDOLF ERWIN [DE]

Cited by

CN116122211A; CN109750799A; EP3875780A1; FR3107759A1

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)

EP 3364041 A1 20180822; WO 2018152085 A1 20180823

DOCDB simple family (application)

EP 17175886 A 20170613; US 2018017940 W 20180213