

Title (en)

FAN BLADE AND METHOD OF MAKING SAME

Title (de)

VENTILATORFLÜGEL UND VERFAHREN ZUM HERSTELLEN DESSELBEN

Title (fr)

PALE DE VENTILATEUR ET SON PROCÉDÉ DE FABRICATION

Publication

EP 4290082 A1 20231213 (EN)

Application

EP 22178399 A 20220610

Priority

EP 22178399 A 20220610

Abstract (en)

In known fan blade has a base body (2; 12) with a front edge (7; 17), which front edge is at least partially formed by an edge complementary member (6). In order to provide a fan blade for use in environments with dust-containing or droplet-containing gases, which is has a long service life, so that the downtimes of the plant are reduced, it is suggested that a round groove (5) runs in and along the front edge (7; 17), and in that the edge complementary member is formed as a round bar (6) which is inserted in the round groove (5).

IPC 8 full level

F04D 29/02 (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP)

F04D 29/023 (2013.01); **F04D 29/324** (2013.01); **F05D 2240/303** (2013.01); **F05D 2300/13** (2013.01)

Citation (applicant)

US 4738594 A 19880419 - SATO SHOJIRO [JP], et al

Citation (search report)

- [X] JP 2002276595 A 20020925 - DAIKIN IND LTD
- [A] US 4738594 A 19880419 - SATO SHOJIRO [JP], et al
- [A] US 2389760 A 19451127 - WALTER BRIERLEY
- [A] EP 1801352 B1 20120321 - ROLLS ROYCE DEUTSCHLAND [DE]

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

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