

Title (en)  
IMPROVED TURBMACHINE FAN DISC

Title (de)  
VERBESSERTE TURBOMASCHINEN-GEBLÄSEPLATTE

Title (fr)  
DISQUE AMELIORE DE SOUFFLANTE DE TURBOMACHINE

Publication  
**EP 3797224 A1 20210331 (FR)**

Application  
**EP 19734849 A 20190520**

Priority  
• FR 1854308 A 20180523  
• FR 2019051139 W 20190520

Abstract (en)  
[origin: WO2019224464A1] The invention relates to a disc (40) that is able to support platforms (30) and blades (20) of a fan (2) and has an external surface (40a) having a series of grooves (42) for receiving the fan blades and teeth (44) interposed between the grooves (42) for supporting the fan platforms (30), an upstream face (40b) of the disc, and a plurality of axial protrusions (46) that are disposed radially about the axis (A) of the disc on the upstream face (40b) of the disc (40) and are able to be fastened to a fan platform retaining flange, the protrusions (46) being offset radially towards the inside of the disc (40) compared with the grooves (42) of the disc (40) and being disposed circumferentially between two teeth (44) of the disc (40).

IPC 8 full level  
**F04D 29/32** (2006.01); **F01D 5/02** (2006.01); **F01D 5/30** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)  
**F01D 5/3007** (2013.01 - US); **F01D 5/3015** (2013.01 - EP); **F01D 5/326** (2013.01 - US); **F04D 29/322** (2013.01 - EP US);  
**F04D 29/34** (2013.01 - US); **F05D 2220/36** (2013.01 - EP US); **F05D 2260/31** (2013.01 - EP US); **F05D 2260/941** (2013.01 - US)

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 2019224464 A1 20191128**; CN 112189097 A 20210105; CN 112189097 B 20230623; EP 3797224 A1 20210331; FR 3081520 A1 20191129;  
FR 3081520 B1 20210521; US 11313239 B2 20220426; US 2021189893 A1 20210624

DOCDB simple family (application)  
**FR 2019051139 W 20190520**; CN 201980034588 A 20190520; EP 19734849 A 20190520; FR 1854308 A 20180523;  
US 201917057550 A 20190520