

Title (en)

Turbine engine and load reduction device thereof

Title (de)

Turbinenmotor und Lastreduktionsvorrichtung dafür

Title (fr)

Moteur à turbine et son dispositif de réduction de charge

Publication

EP 2546460 A3 20151223 (EN)

Application

EP 12165454 A 20120425

Priority

US 201113096645 A 20110428

Abstract (en)

[origin: US2012275921A1] A fan rotor apparatus includes: a rotatable fan disk defining a central aperture and carrying an array of airfoil-shaped fan blades around its periphery, the disk having a forward end and an aft end; and an annular, generally axially-extending forward fan shaft extending through the aperture and coupled to the fan disk for rotation therewith, where the forward fan shaft joins the fan disk at or near the forward end.

IPC 8 full level

F01D 5/02 (2006.01); **F01D 21/04** (2006.01); **F01D 25/16** (2006.01)

CPC (source: EP US)

F01D 5/025 (2013.01 - EP US); **F01D 21/04** (2013.01 - EP US); **F01D 21/045** (2013.01 - EP US); **F01D 25/162** (2013.01 - EP US)

Citation (search report)

- [XYI] US 5974782 A 19991102 - GEREZ VALERIO [FR]
- [Y] US 2005129343 A1 20050616 - BOUCHY GAEL [FR], et al

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)

US 2012275921 A1 20121101; CA 2775491 A1 20121028; EP 2546460 A2 20130116; EP 2546460 A3 20151223; JP 2012233474 A 20121129

DOCDB simple family (application)

US 201113096645 A 20110428; CA 2775491 A 20120426; EP 12165454 A 20120425; JP 2012098287 A 20120424