

Title (en)

Fan outlet guide vanes of a turbofan engine

Title (de)

Fan-Nachleitradschauflern eines Turbofantriebwerks

Title (fr)

Aubes directrices de sortie de soufflante d'un turboréacteur

Publication

EP 2410130 A3 20180418 (DE)

Application

EP 11004584 A 20110606

Priority

DE 102010027588 A 20100719

Abstract (en)

[origin: EP2410130A2] The fan-guide wheel blades have upper and lower profiles that form an upper and a lower boundary. The fan-guide wheel blades extends in a bypass duct between an inner and an outer lateral wall in a blade height and whose profiling is formed by multiple radially overlapping aerodynamic profiles. The profiles are determined by a mean line angular distribution with corresponding, overlaid thickness distribution over a chord length.

IPC 8 full level

F01D 5/14 (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP US)

F01D 5/141 (2013.01 - EP US); **F01D 9/023** (2013.01 - US); **F04D 29/544** (2013.01 - EP US); **F05D 2240/301** (2013.01 - EP US); **F05D 2250/74** (2013.01 - EP US)

Citation (search report)

- [I] EP 2133573 A1 20091216 - SIEMENS AG [DE]
- [I] DE 102006055869 A1 20080529 - ROLLS ROYCE DEUTSCHLAND [DE]
- [I] US 2008181780 A1 20080731 - SONODA TOYOTAKA [JP], et al

Cited by

EP3029270A1; FR3108141A1; BE1028097B1; US9879539B2

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)

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DOCDB simple family (application)

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