

Title (en)  
LIGHTWEIGHT SHROUDED FAN

Title (de)  
LEICHTGEWICHTIGER MANTELLÜFTER

Title (fr)  
SOUFFLANTE CARÉNÉE LÉGÈRE

Publication  
**EP 2935791 A4 20160120 (EN)**

Application  
**EP 13864578 A 20131216**

Priority  
• US 201213719859 A 20121219  
• US 2013075260 W 20131216

Abstract (en)  
[origin: WO2014099713A1] A gas turbine engine according to an exemplary aspect of the present disclosure includes, among other things, a fan section including a fan with a plurality of fan blades rotatable about an axis and a shroud and a speed change device in communication with the fan.

IPC 8 full level  
**F01D 5/22** (2006.01); **F02C 7/00** (2006.01)

CPC (source: EP US)  
**F01D 5/225** (2013.01 - EP US); **F01D 11/02** (2013.01 - EP US); **F02C 3/107** (2013.01 - EP US); **F04D 27/004** (2013.01 - US); **F04D 27/0261** (2013.01 - EP US); **F04D 29/164** (2013.01 - EP US); **F04D 29/321** (2013.01 - EP US); **F04D 29/326** (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US); **F05D 2300/603** (2013.01 - EP US); **Y02B 30/70** (2013.01 - EP); **Y02T 50/60** (2013.01 - EP US); **Y10T 29/49229** (2015.01 - EP US)

Citation (search report)  
• [X] US 2012291449 A1 20121122 - ADAMS PAUL R [US], et al  
• [A] US 2004146393 A1 20040729 - EVANS CHARLES R [US], et al  
• [A] GB 2483495 A 20120314 - MAGNA PARVA LTD [GB]  
• See references of WO 2014099713A1

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 2014099713 A1 20140626**; EP 2935791 A1 20151028; EP 2935791 A4 20160120; US 2014212261 A1 20140731

DOCDB simple family (application)  
**US 2013075260 W 20131216**; EP 13864578 A 20131216; US 201213719859 A 20121219