

Title (en)  
SHEATH WITH EXTENDED WINGS

Title (de)  
HÜLLE MIT ERWEITERTEN FLÜGELN

Title (fr)  
GAINE À AILES ÉTENDUES

Publication  
**EP 2904215 A1 20150812 (EN)**

Application  
**EP 13843675 A 20131001**

Priority  
• US 201213632288 A 20121001  
• US 2013062841 W 20131001

Abstract (en)  
[origin: WO2014055499A1] A sheath for a fan airfoil having a leading edge and a trailing edge in a chordwise direction, a tip and a root in a spanwise direction, a suction side and a pressure side includes a solid portion to wrap around the airfoil leading edge; a first wing attached to the suction side of the airfoil; and a second wing attached to the pressure side of the airfoil. At least one of the first wing and the second wing extends at least about 35% of the chord of the airfoil.

IPC 8 full level  
**F01D 5/30** (2006.01); **F01D 5/14** (2006.01); **F01D 11/08** (2006.01); **F02C 7/00** (2006.01); **F02K 3/00** (2006.01); **F04D 29/32** (2006.01)

CPC (source: EP US)  
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**F04D 29/324** (2013.01 - EP US); **F05D 2220/327** (2013.01 - EP US); **F05D 2220/36** (2013.01 - EP US); **F05D 2240/303** (2013.01 - EP US);  
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Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2014055499 A1 20140410**; EP 2904215 A1 20150812; EP 2904215 A4 20160803; US 2014219808 A1 20140807

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