

Title (en)
Aft loaded airfoil

Title (de)
Hinten belastete Schaufel

Title (fr)
Aube chargée à l'arrière

Publication
EP 2441919 A1 20120418 (EN)

Application
EP 11181843 A 20110919

Priority
US 88669310 A 20100921

Abstract (en)
An example airfoil array includes an airfoil array configured to rotate within a turbomachine at a different rotational speed than a fan within the turbomachine. The airfoil array includes a first airfoil (58) that is circumferentially spaced a distance (98) from an adjacent second airfoil (58a). A ratio of the distance (98) to an axial chord length (82) of the first airfoil (58) is less than 1.3. An uncovered turning angle of the first airfoil (58) is greater than 15 degrees.

IPC 8 full level
F01D 5/14 (2006.01)

CPC (source: EP US)
F01D 5/141 (2013.01 - EP US); **F01D 5/145** (2013.01 - EP US)

Citation (search report)

- [X] EP 0937862 A2 19990825 - BMW ROLLS ROYCE GMBH [DE]
- [A] US 5221181 A 19930622 - FERLEGER JUREK [US], et al
- [A] US 5352092 A 19941004 - FERLEGER JUREK [US], et al

Citation (examination)
GB 2226599 A 19900704 - GEN ELECTRIC [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)
EP 2441919 A1 20120418; US 2012070297 A1 20120322

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