

Title (en)
Gas turbine engine airfoil comprising a conduction pedestal

Title (de)
Gasturbinenschaufel mit einem Leitungssockel

Title (fr)
Aube de turbine à gaz comprenant un socle de conduction

Publication
EP 2434096 A2 20120328 (EN)

Application
EP 11182897 A 20110927

Priority
US 89205610 A 20100928

Abstract (en)
An airfoil (32) for a gas turbine engine includes an airfoil which defines a leading edge cavity (56) and a forward cavity (34A) between a pressure side wall (40P) and a suction side wall (40S). The leading edge cavity (56) is at least partially defined by a leading edge wall (40L) which extends between the pressure side wall (40P) and the suction side wall (40S). A rib (54) between the pressure side wall (40P) and the suction side wall (40S) separates the forward cavity (34A) and the leading edge cavity (56). A pedestal (60) extends between the leading edge wall (40L) and the rib (54).

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP US)
F01D 5/187 (2013.01 - EP US); **F05D 2240/121** (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/202** (2013.01 - EP US); **F05D 2260/221** (2013.01 - EP US); **F05D 2260/2214** (2013.01 - EP US)

Cited by
WO2018153796A1; EP3594448B1

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 2434096 A2 20120328; **EP 2434096 A3 20150429**; **EP 2434096 B1 20160803**; US 2012076660 A1 20120329

DOCDB simple family (application)
EP 11182897 A 20110927; US 89205610 A 20100928