

Title (en)

AEROFOIL, CORRESPONDING ASSEMBLY AND METHODS OF MANUFACTURING

Title (de)

SCHAUFEL, ZUGEHÖRIGE ANORDNUNG UND VERFAHREN ZUR HERSTELLUNG

Title (fr)

PROFIL AÉRODYNAMIQUE, AGENCEMENT ET PROCÉDÉS DE FABRICATION ASSOCIÉS

Publication

EP 3495622 A1 20190612 (EN)

Application

EP 18207140 A 20181120

Priority

GB 201720314 A 20171206

Abstract (en)

An aerofoil (201) is configured to be connected to a second component (202), the aerofoil (201) comprising a first face (203) including a bi-cast groove (204) for joining the aerofoil (201) to the second component (202) by bi-casting; a second face (205) connected to a main body of the aerofoil (201); an angled sealing face (206) between the first (203) and second face (205), the angled sealing face (206) being angled with respect to the second face (205) and configured to provide a sealing interface between the first face (203) and the second face (205); and a concave face (207) forming a recessed surface at the intersection of the sealing face (206) and the second face (205).

IPC 8 full level

F01D 9/04 (2006.01); **B22D 19/04** (2006.01); **F01D 5/18** (2006.01); **F01D 9/06** (2006.01); **F01D 5/28** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [Y] US 2011033285 A1 20110210 - TURI GABRIEL [BE], et al
- [Y] EP 3103580 A1 20161214 - GENERAL ELECTRIC TECHNOLOGY GMBH [CH]
- [Y] EP 3147452 A1 20170329 - GENERAL ELECTRIC TECHNOLOGY GMBH [CH]
- [Y] WO 2016121163 A1 20160804 - MITSUBISHI HEAVY IND LTD [JP]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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