

Title (en)
TURBINE RING ASSEMBLY WITH INTER-SECTOR SEALING

Title (de)
TURBINENRINGANORDNUNG MIT ZWISCHENSEKTORABDICHTUNG

Title (fr)
ENSEMBLE D'ANNEAU DE TURBINE AVEC ETANCHEITE INTER-SECTEURS

Publication
EP 3781794 A1 20210224 (FR)

Application
EP 19722665 A 20190404

Priority
• FR 2019050797 W 20190404
• FR 1853302 A 20180416

Abstract (en)
[origin: WO2019202234A1] A turbine ring assembly comprises a plurality of adjacent ring sectors (10) forming a turbine ring (1), each ring sector (10) having a platform (12) with an inner face defining the inner face of the turbine ring (1) and an outer face from which an upstream lug (14) and a downstream lug (16) extend in the radial direction. Each ring sector (10) comprises a first groove (41) present in the platform (12) in the vicinity of the inner face (12a) of said platform, a second groove (40) present in the platform (12) in the vicinity of the outer face (12b) of said platform, an upstream groove (42) extending into the upstream lug (14) and a downstream groove (43) extending into the downstream lug (16). A first sealing tab (21) extends in the first groove (41). A second sealing tab (20) extends in the second groove (40). An upstream sealing tab (22) extends in the upstream groove (42). A downstream sealing tab (23) extends in the downstream groove (43). The second sealing tab (20) comprises one or more openings (26, 27).

IPC 8 full level
F01D 11/00 (2006.01); **F01D 11/08** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP US)
F01D 11/005 (2013.01 - EP); **F01D 11/08** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP); **F01D 25/246** (2013.01 - US); **F01D 25/12** (2013.01 - US); **F05D 2220/323** (2013.01 - EP); **F05D 2230/60** (2013.01 - US); **F05D 2240/11** (2013.01 - EP US); **F05D 2240/55** (2013.01 - US); **F05D 2260/201** (2013.01 - EP US); **F05D 2300/6033** (2013.01 - EP US)

Citation (search report)
See references of WO 2019202234A1

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)
FR 3080142 A1 20191018; **FR 3080142 B1 20200501**; CN 112004993 A 20201127; CN 112004993 B 20230414; EP 3781794 A1 20210224; EP 3781794 B1 20220720; US 11111823 B2 20210907; US 2021164366 A1 20210603; WO 2019202234 A1 20191024

DOCDB simple family (application)
FR 1853302 A 20180416; CN 201980025327 A 20190404; EP 19722665 A 20190404; FR 2019050797 W 20190404; US 201917047973 A 20190404