

Title (en)
Nozzle ring

Title (de)
Düsenring

Title (fr)
Couronne directrice

Publication
EP 2733311 B1 20190102 (DE)

Application
EP 13192993 A 20131115

Priority
• EP 12193018 A 20121116
• EP 13192993 A 20131115

Abstract (en)
[origin: EP2733311A1] The ring (1) has a set of guide vanes (12) arranged among fastening rings (10, 11, 11') and fixed in respective angular position, where the rings are arranged coaxially. The guide vanes include a positioning aid on an end face partially corresponding to an outer contour of the end face. The guide vanes are fixed with regard to angular position by the arrangement of the positioning aid in an opening (14) corresponding to the shape of the positioning aid in the second fastening ring. An independent claim is also included for a method for manufacturing a nozzle ring.

IPC 8 full level
F01D 9/04 (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP KR US)
F01D 9/02 (2013.01 - KR); **F01D 9/042** (2013.01 - EP US); **F01D 17/165** (2013.01 - EP US); **F01D 25/246** (2013.01 - EP US); **F02B 37/24** (2013.01 - KR); **Y10T 29/49316** (2015.01 - EP US)

Cited by
EP3798419A1; US9932888B2; EP3929407A1; EP4239164A3; EP3421728A1; WO2021259862A1; WO2023280935A1

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

DOCDB simple family (publication)
EP 2733311 A1 20140521; EP 2733311 B1 20190102; CN 103821568 A 20140528; CN 103821568 B 20160420; JP 2014111936 A 20140619; JP 2017025923 A 20170202; JP 6092077 B2 20170308; KR 101994511 B1 20190924; KR 20140063474 A 20140527; KR 20150079537 A 20150708; US 2014140834 A1 20140522; US 9909456 B2 20180306

DOCDB simple family (application)
EP 13192993 A 20131115; CN 201310574838 A 20131118; JP 2013238369 A 20131118; JP 2016177700 A 20160912; KR 20130139417 A 20131115; KR 20150088280 A 20150622; US 201314083025 A 20131118