

Title (en)
CHEVRON NOZZLE

Title (de)
CHEVRONDÜSE

Title (fr)
TUYÈRE À CHEVRONS

Publication
EP 3161271 A1 20170503 (DE)

Application
EP 15771007 A 20150626

Priority
• DE 102014009784 A 20140630
• DE 2015000318 W 20150626

Abstract (en)
[origin: WO2016000673A1] The invention relates to a chevron nozzle (13, 14, 21, 22, 30) for an engine (10, 12) of an aircraft (11), comprising at least one nozzle ring (31) and chevrons (32) arranged on the nozzle ring (31). The aim of the invention is to further save fuel and further reduce sound emissions. For this purpose, the nozzle ring (31) together with the chevrons (32) is designed so as to be freely rotating with at least one rotational speed such that a position of the chevrons (32) can be continuously varied.

IPC 8 full level
F01D 25/16 (2006.01); **F02K 1/38** (2006.01); **F02K 1/48** (2006.01)

CPC (source: EP US)
F01D 25/16 (2013.01 - EP US); **F02C 3/04** (2013.01 - US); **F02K 1/386** (2013.01 - EP US); **F02K 1/48** (2013.01 - EP US);
F05D 2220/323 (2013.01 - EP US); **F05D 2240/50** (2013.01 - EP US); **F05D 2250/182** (2013.01 - EP US); **F05D 2250/311** (2013.01 - EP US);
F05D 2250/411 (2013.01 - EP US); **F05D 2260/96** (2013.01 - EP US)

Citation (search report)
See references of WO 2016000673A1

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)
DE 102015008204 A1 20151231; EP 3161271 A1 20170503; US 2017130672 A1 20170511; WO 2016000673 A1 20160107

DOCDB simple family (application)
DE 102015008204 A 20150626; DE 2015000318 W 20150626; EP 15771007 A 20150626; US 201515323093 A 20150626