

Title (en)  
ROTOR FOR A COUNTER-ROTATING TURBINE OF A TURBO MACHINE

Title (de)  
ROTOR FÜR EINE GEGENLÄUFIGE TURBINE EINER TURBOMASCHINE

Title (fr)  
ROTOR POUR UNE TURBINE CONTRAROTATIVE DE TURBOMACHINE

Publication  
**EP 3705684 B1 20210818 (FR)**

Application  
**EP 20161551 A 20200306**

Priority  
FR 1902389 A 20190308

Abstract (en)  
[origin: US2020284150A1] A rotor for a contrarotating turbine comprising a drum and a blading mounted inside, the drum comprising a hook delimiting a housing having an outer wall and an inner wall, the blading comprising a blade and an outer platform provided with spoiler placed inside the housing, wherein the rotor comprises a foil comprising an elastic inner wing and an outer wing, the outer wing being arranged radially between the spoiler and the outer wall, the inner wing having a first support with the inner wall and a second support with the spoiler, the inner wing being arranged in the housing so as to exert a force on the spoiler so as to press the spoiler against the outer wall via the outer wing.

IPC 8 full level  
**F01D 5/03** (2006.01); **F01D 1/26** (2006.01); **F01D 5/10** (2006.01); **F01D 5/30** (2006.01)

CPC (source: CN EP US)  
**F01D 1/24** (2013.01 - US); **F01D 1/26** (2013.01 - EP); **F01D 5/02** (2013.01 - US); **F01D 5/03** (2013.01 - CN EP); **F01D 5/10** (2013.01 - EP); **F01D 5/303** (2013.01 - EP); **F01D 5/3092** (2013.01 - EP); **F05D 2220/30** (2013.01 - US); **F05D 2240/24** (2013.01 - US); **F05D 2250/44** (2013.01 - EP); **F05D 2260/38** (2013.01 - EP)

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 3705684 A1 20200909**; **EP 3705684 B1 20210818**; CN 111663962 A 20200915; FR 3093536 A1 20200911; FR 3093536 B1 20210219; US 11454117 B2 20220927; US 2020284150 A1 20200910

DOCDB simple family (application)  
**EP 20161551 A 20200306**; CN 202010157104 A 20200309; FR 1902389 A 20190308; US 202016811341 A 20200306