

Title (en)
Inner ring of a turbine engine and vane cluster

Title (de)
Innenring einer Strömungsmaschine und Leitrad

Title (fr)
Virole interne d'une turbomachine et distributeur

Publication
EP 2871325 B1 20160406 (DE)

Application
EP 13192465 A 20131112

Priority
EP 13192465 A 20131112

Abstract (en)
[origin: US2015132124A1] An inner ring of a fluid flow machine includes fixing rings and seal carriers split into at least two fixing ring segments and into at least two seal carrier segments, respectively. The fixing ring segments and the seal carrier segments are arranged with the respective end faces facing each other. A first fixing ring segment has a first ring segment shoulder and a second fixing ring segment has an offset second ring segment shoulder. A first seal carrier segment has a first carrier segment shoulder, and a second seal carrier segment has a second carrier segment shoulder, which is offset with respect to the first carrier segment shoulder. In a separation plane of the inner ring, the first carrier segment shoulder abuts the second ring segment shoulder at the end face. Also in the separation plane, the second carrier segment shoulder abuts the first ring segment shoulder at the end face.

IPC 8 full level
F01D 5/22 (2006.01); **F01D 9/04** (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)
F01D 5/225 (2013.01 - EP US); **F01D 9/04** (2013.01 - EP US); **F01D 9/042** (2013.01 - US); **F01D 11/001** (2013.01 - EP US); **F01D 11/005** (2013.01 - US); **F05D 2240/11** (2013.01 - US)

Cited by
US11125101B2; EP3425172A1

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