

Title (en)  
MULTI-AIRFOIL GUIDE VANE UNIT

Title (de)  
LEITSCHAUFLEINHEIT MIT MEHRFACHPROFIL

Title (fr)  
UNITÉ D'AUBES DIRECTRICES À PROFILS AÉRODYNAMIQUES MULTIPLES

Publication  
**EP 3075960 B1 20171227 (EN)**

Application  
**EP 15161814 A 20150331**

Priority  
EP 15161814 A 20150331

Abstract (en)  
[origin: EP3075960A1] A multi-airfoil guide vane unit (1) comprises a first platform member (14), a second platform member (15), and at least two airfoil members (11, 12, 13), the airfoil members having a longitudinal extent along an airfoil span width and two longitudinal ends, wherein all airfoil members are rigidly affixed to a platform member at a first longitudinal end and at least one airfoil member (11, 13) is rigidly affixed to both platform members at both longitudinal ends. At least one of the airfoil members (12) is floatingly connected to one of the platform members (14) at a second longitudinal end (121). A longitudinally floating joint arrangement is thus provided between the second longitudinal end (121) of the airfoil member (12) and the platform member, such as to allow displacement of the airfoil member (12) relative to said platform member (14) along the longitudinal extent (2) of said airfoil member (12). In particular, the floating joint arrangement comprises a male joint feature (123) provided at one of the second longitudinal end (121) of the airfoil member and the platform member (14) and a female joint feature (141) provided at the other one of the second longitudinal end of the airfoil member and the platform member, the male feature being received within said female feature.

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

CPC (source: CN EP KR US)  
**F01D 5/02** (2013.01 - KR); **F01D 5/14** (2013.01 - KR); **F01D 5/26** (2013.01 - KR); **F01D 9/041** (2013.01 - US); **F01D 9/042** (2013.01 - CN EP US); **F05D 2230/21** (2013.01 - KR)

Cited by  
FR3145187A1

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