

Title (en)
ADJUSTABLE TURBO MACHINE BLADE

Title (de)
VERSTELLBARE TURBOMASCHINENSCHAUFEL

Title (fr)
AUBE DE TURBOMACHINE RÉGLABLE

Publication
EP 3495625 B1 20210908 (DE)

Application
EP 18209947 A 20181204

Priority
DE 102017222205 A 20171207

Abstract (en)
[origin: US2019178100A1] A vane assembly including a variable vane (10-15) for a turbomachine is provided, the vane having at least one first, in particular plane or curved, engagement surface (11; 11') for clamping, in particular without play, an actuator (20) of the vane assembly for adjustment of the vane, this first engagement surface not being inclined toward a longitudinal axis (L) of the vane or being inclined toward it by no more than 15°, and/or the vane assembly including a clamp (30; 31) for clamping the actuator against the first engagement surface by at least partially elastically compressing the clamp transversely to the longitudinal axis of the vane and/or by advancing the clamp in a clamp direction (S) that forms an angle of at least 45° with the longitudinal axis of the vane.

IPC 8 full level
F01D 17/16 (2006.01); **F04D 29/56** (2006.01)

CPC (source: EP US)
F01D 9/042 (2013.01 - US); **F01D 17/16** (2013.01 - US); **F01D 17/162** (2013.01 - EP US); **F04D 29/563** (2013.01 - EP US); **F05D 2240/128** (2013.01 - US); **F05D 2240/90** (2013.01 - US); **F05D 2260/79** (2013.01 - US)

Cited by
EP3524778A1; US10876425B2

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

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EP 3495625 A1 20190612; EP 3495625 B1 20210908; DE 102017222205 A1 20190613; US 11525369 B2 20221213; US 2019178100 A1 20190613

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