

Title (en)

Segment with minimum two blades, turbine element and method to mount a segment

Title (de)

Segment mit wenigstens zwei Schaufeln, Turbinenteil und Verfahren zur Montage eines Segments

Title (fr)

Segment ayant deux aubes minimum, élément de turbine et méthode de montage d'un segment

Publication

**EP 1707743 A1 20061004 (DE)**

Application

**EP 05005991 A 20050318**

Priority

EP 05005991 A 20050318

Abstract (en)

The segment has a blade (1) with a blade root (3) that is detachably connected with a blade root (4) of a blade (2) by a mechanical connecting unit (15). The mechanical connecting unit is formed in the form of a bolt connection e.g. screwed fastening. The blade root (3) is adjacent to the blade root (4), where contact surfaces of the blade roots have a centering unit. The blade roots are arranged on a ring circumference (27) and are oriented along a ring radius (29). An independent claim is also included for a method for assembling of a segment.

IPC 8 full level

**F01D 5/22** (2006.01); **F01D 9/04** (2006.01)

CPC (source: EP)

**F01D 9/042** (2013.01); **F05B 2260/301** (2013.01); **F05D 2230/64** (2013.01)

Citation (search report)

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- [X] EP 1132574 A2 20010912 - MITSUBISHI HEAVY IND LTD [JP]
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- [X] PATENT ABSTRACTS OF JAPAN vol. 007, no. 025 (M - 190) 2 February 1983 (1983-02-02)

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