

Title (en)

Locking apparatus for an axial retention ring of a blade

Title (de)

Blockierungsvorrichtung für einen axialen Retentionsring einer Schaufel

Title (fr)

Dispositif d'immobilisation d'un anneau de rétention axiale d'une aube

Publication

EP 1760258 B1 20081015 (FR)

Application

EP 06119579 A 20060825

Priority

FR 0552635 A 20050831

Abstract (en)

[origin: EP1760258A2] The device has a ring (20) for retaining blades on a rotor disk of a turbomachine. The rotor disk (10) provides a set of blocking hooks (162, 164) that spread around a circumference and defines a groove for placing the ring. The ring is provided with a split and a set of cleat (302, 304), which is arranged on the ring and placed in the groove. The cleat is compressed against one blocking hook and the split is covered by another blocking hook. The former hook is provided with a check face that cooperates with a contact face brings the cleat next to the split. Independent claims are also included for the following: (1) a ring for retaining the blades of a turbomachine rotor (2) a disk/ring assembly of a turbomachine (3) a turbomachine rotor (4) an aircraft engine.

IPC 8 full level

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CPC (source: EP US)

F01D 5/3015 (2013.01 - EP US); **F01D 5/326** (2013.01 - EP US); **F01D 11/006** (2013.01 - EP US); **F05D 2230/64** (2013.01 - EP US); **F05D 2260/30** (2013.01 - EP US)

Cited by

FR2951224A1; FR3000763A1; EP2722484A3; FR2974142A1; FR3029962A1; US9163520B2; US9689278B2; WO2011045520A1

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