

## Title (en)

ROTOR FOR AN AXIAL FLOW TURBOMACHINE AND DOUBLE NUT FOR CONNECTING TWO TIE-ROD ELEMENTS

## Title (de)

ROTOR FÜR EINE AXIAL DURCHSTRÖMBARE TURBOMASCHINE UND DOPPELMUTTER ZUM VERBINDEN ZWEIER ZUGANKERELEMENTE

## Title (fr)

ROTOR POUR UNE TURBOMACHINE À ÉCOULEMENT AXIAL ET DOUBLE ÉCROU DESTINÉ À RELIER DEUX ÉLÉMENTS DE TIRANT

## Publication

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## Application

**EP 13762773 A 20130906**

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## Abstract (en)

[origin: WO2014037521A1] Rotor for an axial flow turbomachine and double nut for connecting two tie-rod elements. The invention relates to a rotor (10) for an axial flow turbomachine, comprising a number of a plurality of disc-shaped (12) or drum-shaped (16) rotor components and at least one pin-shaped tie-rod (20) extending through the rotor components (14), wherein a counter-bearing (26, 28) is screwed onto each of the projecting ends of said tie-rod for axially bracing the rotor components (14) arranged therebetween. The aim of the invention is to provide a rotor (10) by which shorter service intervals can be achieved. In order to achieve said aim, the tie-rod (20) comprises at least two axially adjacent tie-rod elements (30, 32) which are each connected to one another in a detachable manner by a connecting means (34). Double nut (35) for connecting two tie-rod elements (30, 32).

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- GB 2452932 A 20090325 - SIEMENS AG [DE]
- US 2009067947 A1 20090312 - ICHIRYU TAKU [JP]
- EP 2447471 A2 20120502 - UNITED TECHNOLOGIES CORP [US]

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