Title (en)
SEGMENTED STRUCTURAL LINKS FOR COUPLED DISK FREQUENCY TUNING AND CORRESPONDING GAS TURBINE ENGINE WITH SUCH LINKS

Title (de)
SEGMENTIERTE STRUKTURVERBINDUNGEN ZUR SCHEIBENFREQUENZABSTIMMUNG UND ZUGEHÖRIGES GASTURBINENTRIEBWERK MIT SOLCHEN STRUKTURVERBINDUNGEN

Title (fr)
LIAISONS STRUCTURELLES SEGMENTÉES POUR ACCORD DE FRÉQUENCE DE DISQUE ET MOTEUR À TURBINE À GAZ ASSOCIÉ AYANT TELLES LIAISONS

Publication
EP 3477047 B1 20231004 (EN)

Application
EP 18201780 A 20181022

Priority
US 201715793838 A 20171025

Abstract (en)
[origin: EP3477047A1] A segmented structural link (302; 402) may comprise a base portion (304; 404) having a first face, a tail portion (408), and a distal end having a second face. The tail portion (408) may extend at an angle relative to the first face. The tail portion (408) may comprise a first bend (406) and may further comprise a second bend (410). The base portion (304; 404) may comprise at least one of a captured nut (321; 420), a nut plate, or a self-clinching nut. A gas turbine engine with such a segmented structural link and a method of tuning a vibrational response of a fan disc are also provided.

IPC 8 full level
F01D 5/30 (2006.01); F01D 5/10 (2006.01); F04D 29/32 (2006.01)

CPC (source: EP US)
F01D 5/10 (2013.01 - EP US); F01D 5/3007 (2013.01 - EP US); F04D 29/321 (2013.01 - EP US); F04D 29/324 (2013.01 - US); F04D 29/388 (2013.01 - US); F04D 29/668 (2013.01 - US); F05D 2220/36 (2013.01 - EP US); F05D 2260/941 (2013.01 - EP US); F05D 2260/96 (2013.01 - EP US)

Citation (examination)
US 2016298460 A1 20161013 - BRYANT MICHAEL F [GB], et al

Designated contracting state (EPC)
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