

Title (en)
Apparatus for pivoting an upper portion of a turbine shell

Title (de)
Vorrichtung zum Kippen eines oberen Teils eines Turbinengehäuses

Title (fr)
Appareil pour pivoter une portion supérieure d'un carter de turbine

Publication
EP 2811123 A1 20141210 (EN)

Application
EP 14171154 A 20140604

Priority
US 201313909124 A 20130604

Abstract (en)
An apparatus (200) for rotating and positioning a turbine shell (26) of a turbomachine (10) during a maintenance process is provided. The apparatus includes a shell support (204) having a first member (230) and a second member (232) coupled to a side of a vertically upper portion (100) of the turbine shell. The apparatus also includes an actuator (248) coupled to the shell support. The actuator rotates the upper portion of the turbine shell to expose internal components of a turbine system. The apparatus also includes a platform (220) positioned adjacent the shell support and a pivot assembly (222) coupled to the shell support and actuator. The pivot assembly of the apparatus is positioned on a first surface of the platform. Additionally, the apparatus includes a securing structure (206) positioned on a second surface of the platform for preventing movement of the shell support during the rotating of the upper portion of the turbine shell.

IPC 8 full level
F01D 25/28 (2006.01); **B65G 47/248** (2006.01)

CPC (source: EP US)
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Citation (search report)
• [IY] GB 2069427 A 19810826 - BRITISH AEROSPACE
• [X] EP 1752409 A2 20070214 - UNITED TECHNOLOGIES CORP [US]
• [Y] GB 2298402 A 19960904 - AEROSPATIALE [FR]
• [Y] US 2012272496 A1 20121101 - HERBOLD JOHN WILLIAM [US], et al
• [Y] US 3675788 A 19720711 - CATHERS WILLIAM P

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EP3450704A1; US10968780B2; US11572806B2

Designated contracting state (EPC)
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