

Title (en)

Method and apparatus of heat treating an integrally bladed rotor

Title (de)

Verfahren und Vorrichtung zur Wärmebehandlung eines integral beschauften Rotors

Title (fr)

Procédé et appareil de traitement thermique d'un rotor à aubage intégral

Publication

**EP 2620516 A2 20130731 (EN)**

Application

**EP 12199843 A 20121231**

Priority

US 201213361283 A 20120130

Abstract (en)

A process for heat treating selected portions of an integrally bladed rotor (IBR) (10) having a plurality of blades (11,23), the process using an IBR on a fixture (211) having a rotor engaging portion that moves the IBR into an environmental chamber (215). An IR heater (27) is placed on one of the IBR blades (11) and heat treated after air has been removed from the chamber and an inert gas is added. The IR heater is lifted from the blade and indexed to position another blade on the IBR. The process is repeated until all the IBR blades are heat treated.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

EP 1216858 A2 20020626 - MAZDA MOTOR [JP]

Cited by

EP3508609A1; EP3044341A4; US10633731B2; US10935037B2; US11448227B2

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2620516 A2 20130731**; **EP 2620516 A3 20130814**; **EP 2620516 B1 20170208**; SG 192328 A1 20130830

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