

Title (en)  
TURBINE ROTOR ASSEMBLY, BLADE STOP PLATE FOR TURBINE ROTOR ASSEMBLY, AND METHOD FOR ASSEMBLING BLADE STOP PLATE

Title (de)  
TURBINENROTORANORDNUNG, SCHAUFELANSCHLAGPLATTE FÜR TURBINENROTORANORDNUNG UND VERFAHREN ZUR MONTAGE EINER SCHAUFELANSCHLAGPLATTE

Title (fr)  
ENSEMBLE ROTOR DE TURBINE, PLAQUE DE BUTÉE D'AUBE POUR ENSEMBLE ROTOR DE TURBINE, ET MÉTHODE D'ASSEMBLAGE DE PLAQUE DE BUTÉE D'AUBE

Publication  
**EP 3023590 A4 20160907 (EN)**

Application  
**EP 14864540 A 20140729**

Priority  
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• JP 2014069897 W 20140729

Abstract (en)  
[origin: EP3023590A1] A turbine rotor assembly (1) includes: a rotor disc (2) formed with a plurality of axial grooves (3) on an outer periphery of the rotor disc (2); and a group (5n) of rotor blades arranged along a circumferential direction of the rotor disc (2) and engaged with the axial grooves (3) via blade stoppers (4). Each blade stopper (4) includes: a base section (41) fitted into the axial groove (3); and bend sections (42) disposed on opposite ends of the base section (41) so as to protrude from the axial groove (3) in an axial direction and bended in a radial direction of the rotor disc (2) to contact an axial end surface of the rotor disc (2). At least one of the bend sections (42) at the opposite ends includes an inward-and-outward bend part (42o, 42i) protruding outward and inward in the radial direction of the rotor disc (2).

IPC 8 full level  
**F01D 5/30** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [X] DE 19757188 A1 19990624 - ASEA BROWN BOVERI [CH]  
• [X] US 3045329 A 19620724 - JOHN CARLI VINCENT, et al  
• [X] WO 03004834 A1 20030116 - ABB TURBO SYSTEMS AG [CH], et al  
• See references of WO 2015075970A1

Cited by  
US11633817B2; US11491591B2; US10954791B2

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