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(54) Title: TURBINE BLADE DAMPER SEAL

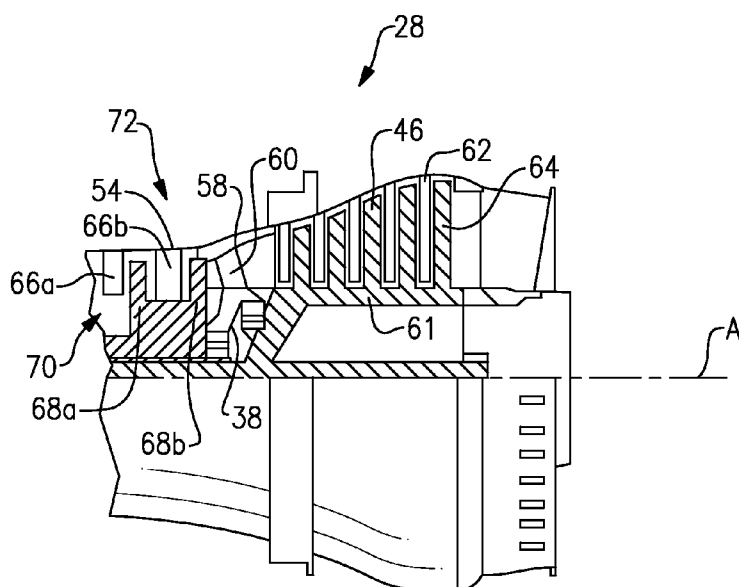


FIG. 2

(57) Abstract: A damper seal received in a cavity of a turbine blade located between a platform and a retention shelf damper seal according to an exemplary aspect of the present disclosure includes, among other things, a central body portion having a first end region, an opposing second end region, and a width. The damper seal further includes a first portion extending from the first end region of the central body portion, and a first end region of the first portion includes first outwardly extending tabs that define a first enlarged portion that has a first width greater than the width of the central body portion and a second portion extending from the opposing second end region of the central body portion.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2013/023132

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - F01D 5/26 (2013.01)

USPC - 416/190

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - F01D 5/00, 5/10, 5/18, 5/22, 5/26, 5/30; F04D 29/18, 29/34; F16J 15/00, 15/02 (2013.01)

USPC - 277/312; 415/119; 416/95, 145, 190, 193, 219, 220, 248, 500

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - F01D 5/00, 5/10, 5/18, 5/22, 5/26, 5/30; F04D 29/18, 29/34; F16J 15/00, 15/02 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Orbit, Google Patents, Google, Google Scholar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,478,207 A (STEC) 26 December 1995 (26.12.1995) entire document	1, 2, 4-7
Y		3, 8-16
Y	US 5,785,499 A (HOUSTON et al) 28 July 1998 (28.07.1998) entire document	3, 9-16
Y	EP 2 366 872 A2 (SURACE et al) 21 September 2011 (21.09.2011) entire document	8, 16
A	US 6,354,803 B1 (GROVER et al) 12 March 2002 (12.03.2002) entire document	1-22
A	US 4,872,810 A (BROWN et al) 10 October 1989 (10.10.1989) entire document	1-22

☐ Further documents are listed in the continuation of Box C.

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"&" document member of the same patent family

Date of the actual completion of the international search

12 September 2013

Date of mailing of the international search report

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