

Title (en)

BLADE ELEMENT CROSS-TIES

Title (de)

SCHAUFELEMENT MIT QUERSTREBE

Title (fr)

TRAVERSES D'ÉLÉMENT DE PALE

Publication

**EP 2942484 A1 20151111 (EN)**

Application

**EP 15166907 A 20150508**

Priority

US 201461991328 P 20140509

Abstract (en)

The invention concerns a blade element for a gas turbine engine and methods of manufacturing said blade elements. In one embodiment, a blade element 100 includes a first inner surface 108 of the blade element, wherein the first inner surface 108 is associated with a first outer blade surface 106 of the blade element, and a second inner surface 109 of the blade element, wherein the second inner surface 109 is associated with a second outer blade surface 107 of the blade element and wherein the second inner surface 109 is opposite from the first inner surface 108. The blade element 100 also includes a cross-tie 130 1 configured to connect the first inner surface 108 to the second inner surface 109, wherein the cross-tie 130 1 is positioned along a trailing edge 110 of the blade element 100 and the cross-tie 130 1 is configured to reduce vibration mode effects of the blade element 100.

IPC 8 full level

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Citation (search report)

- [XI] EP 1431514 A2 20040623 - GEN ELECTRIC [US]
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- [X] US 7780414 B1 20100824 - LIANG GEORGE [US]
- [XI] US 4278400 A 19810714 - YAMARIK GEORGE J, et al

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