

Title (en)
BLADE ELEMENT CROSS-TIES

Title (de)
SCHAUFEELEMENT MIT QUERSTREBE

Title (fr)
TRAVERSES D'ÉLÉMENT DE PALE

Publication
EP 2942484 B2 20230503 (EN)

Application
EP 15166907 A 20150508

Priority
US 201461991328 P 20140509

Abstract (en)
[origin: EP2942484A1] 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.

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Citation (opposition)
Opponent :

- US 2013232991 A1 20130912 - OTERO EDWIN [US]
- WO 2014186109 A1 20141120 - UNITED TECHNOLOGIES CORP [US]

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