

Title (en)

FLOW-CONTROL TECHNIQUE TO VECTOR BULK FLOW LEAVING A VANE

Title (de)

FLUSSSTEUERVERFAHREN ZUR VEKTORIERUNG EINES SCHÜTTGUTFLUSSES AUS EINER SCHAUFEL

Title (fr)

TECHNIQUE DE CONTRÔLE D'ÉCOULEMENT POUR GUIDER UN ÉCOULEMENT EN VRAC VECTORIEL QUITTANT UNE AUBE

Publication

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Application

EP 07868284 A 20070518

Priority

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- US 80133806 P 20060518
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Abstract (en)

[origin: WO2008057627A2] A guide vane assembly including an annular casing and vanes that are coupled to and extend radially inwardly from the annular casing. Each vane includes a first wall, a second wall, a leading edge, a first wall trailing edge, and a second wall trailing edge. The first and second walls are coupled at the leading edge and spaced apart to define a plenum therebetween. The trailing edges are spaced apart to define a gap therebetween. The first wall trailing edge includes a lip extending therefrom toward the second wall, and the second wall trailing edge includes a bulb section extending along at least a portion of a length thereof. The second wall trailing edge is disposed at least partially inside the lip, wherein a substantial entirety of the vane between an outer surface of the second wall and an outer surface of the bulb portion is rounded.

IPC 8 full level

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CPC (source: EP)

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