

Title (en)  
Vane for a turbomachine

Title (de)  
Leitschaufel für eine Turbomaschine

Title (fr)  
Aube statorique pour turbomachine

Publication  
**EP 2607624 A1 20130626 (EN)**

Application  
**EP 11194338 A 20111219**

Priority  
EP 11194338 A 20111219

Abstract (en)  
A vane for a turbomachine is presented. The vane (10) includes atleast one inner cavity (28) defined by an inner wall (30) having a plurality of impingement holes (40), and an outer wall (14) surrounding the inner wall (30) forming a passageway (36) therebetween for a cooling fluid to pass through the impingement holes (40) from the inner cavity (28) towards the passageway (36), wherein the outer wall (14) comprises a plurality of openings (24) for exit of the cooling fluid, characterized in that, the outer wall (14) is divided into a plurality of portions (15,17) disconnected from each other by openings (24) allowing independent thermal expansion of said portions (15, 17).

IPC 8 full level  
**F01D 5/14** (2006.01); **F01D 5/18** (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP)  
**F01D 5/147** (2013.01); **F01D 5/186** (2013.01); **F01D 5/187** (2013.01); **F01D 9/02** (2013.01)

Citation (search report)

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BA ME

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