

Title (en)  
FLOW ASSEMBLY, CORRESPONDING TURBOMACHINE AND USE

Title (de)  
UMSTRÖMUNGSANORDNUNG, ZUGEHÖRIGE STRÖMUNGSMASCHINE UND VERWENDUNG

Title (fr)  
DISPOSITIF D'ÉCOULEMENT ENVIRONNANT, TURBOMACHINE ET APPLICATION ASSOCIÉE

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Application  
**EP 18178413 A 20180619**

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Abstract (en)  
[origin: US2019024521A1] The invention relates to a flow arrangement for placing in the hot gas duct of a turbomachine, having a first surrounding-flow structure and a second surrounding-flow structure, the surrounding-flow structures each having, in reference to the surrounding flow in the hot gas duct, a leading edge and, downstream thereof, a trailing edge, wherein the second surrounding-flow structure is provided as a deflecting blade with a suction side and a pressure side and has a lesser profile thickness than the first surrounding-flow structure, which is arranged on the suction side of the second surrounding-flow structure, and wherein, although the second surrounding-flow structure has a partial axial overlap with the first surrounding-flow structure referred to a longitudinal axis of the turbomachine, the trailing edge of the second surrounding-flow structure is, at the same time, displaced axially downstream relative to the trailing edge of the first surrounding-flow structure.

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Cited by  
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