

Title (en)  
TURBOMACHINE CASING AND IMPELLER

Title (de)  
TURBOMASCHINENGEGÄUßE UND LAUFRAD

Title (fr)  
CARTER ET ROUE A AUBES DE TURBOMACHINE

Publication  
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Application  
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Abstract (en)  
[origin: WO2014049239A1] The invention concerns an assembly comprising a turbomachine casing (12) and an impeller (14) arranged therein. The housing (12) has an internal wall (20) comprising a circumferential strip (24) of abradable material. Facing the ends of the vanes, the housing has, upstream, the strip of abradable material, and downstream, a circumferential groove (30). The strip of abradable material is defined downstream by the circumferential groove (30). The downstream limit of the circumferential groove (30) is located to the right of or downstream from the trailing edge (18B) of the vanes (18). This arrangement optimises the use of abradable material in the turbomachine casing.

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