

Title (en)  
TURBINE ASSEMBLY

Title (de)  
TURBINENANORDNUNG

Title (fr)  
ENSEMBLE DE TURBINE

Publication  
**EP 3109404 A1 20161228 (EN)**

Application  
**EP 15173387 A 20150623**

Priority  
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Abstract (en)  
The present invention relates to a turbine assembly (10) comprising at least one basically hollow aerofoil (12) with at least one trailing edge (14) comprising at least two wall segments (16, 18) that each comprises an inner surface (20, 22), wherein the inner surfaces (20, 22) face each other, and wherein the inner surfaces (20, 22) enclose at least one exit aperture (24) extending basically in span wise direction (26) of the at least one basically hollow aerofoil (12). In order to provide a sufficient heat transfer and thus cooling of the turbine assembly (10), it is proposed that at least one of the inner surfaces (20, 22) of the at least two wall segments (16, 18) of the trailing edge (14) comprises at least one surface increasing structure (28, 28') extending partially into the at least one exit aperture (24) from one inner surface (20, 22) to the other inner surface (20, 22).

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Citation (search report)  
• [XYI] US 2013302179 A1 20131114 - BERGHOLZ JR ROBERT FREDERICK [US], et al  
• [XI] US 2010074763 A1 20100325 - LIANG GEORGE [US]  
• [X] EP 2787173 A1 20141008 - IHI CORP [JP], et al  
• [Y] EP 1895098 A2 20080305 - HONEYWELL INT INC [US]

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