

Title (en)  
Shrouded rotor blade with cutting tooth

Title (de)  
Turbinenschaufel mit Deckband und Schneidezahn

Title (fr)  
Aube rotorique carénée avec dent de coupe

Publication  
**EP 2746537 B1 20160622 (DE)**

Application  
**EP 12198862 A 20121221**

Priority  
EP 12198862 A 20121221

Abstract (en)  
[origin: EP2746537A1] The blade (100) has a blade profile (1), a shroud (200) or a shroud portion provided in a radial outer portion. A cutting tooth (300) i.e. continuous extension, is provided for unique engagement into an inlet covering of a turbine housing during use of the blade. The cutting tooth is connected with the shroud or the shroud portion. The cutting tooth is formed as a portion of the blade profile and a portion of the shroud or the shroud portion. The cutting tooth is provided with the portion of the blade profile as a stiffening element for the shroud or the shroud portion.

IPC 8 full level  
**F01D 5/22** (2006.01); **F01D 11/12** (2006.01)

CPC (source: EP US)  
**F01D 5/20** (2013.01 - US); **F01D 5/225** (2013.01 - EP US); **F01D 11/122** (2013.01 - EP US); **F01D 11/125** (2013.01 - EP US);  
**F05D 2240/303** (2013.01 - EP US); **F05D 2240/304** (2013.01 - EP US)

Cited by  
FR3085993A1; US11859513B2; WO2020058612A1

Designated contracting state (EPC)  
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