

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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