

Title (en)
DEVICE AND METHOD FOR MEASURING ICE THICKNESS

Title (de)
VORRICHTUNG UND VERFAHREN ZUR MESSUNG DER EISDICKE

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR MESURER L'ÉPAISSEUR DE LA GLACE

Publication
EP 2591307 A4 20140820 (EN)

Application
EP 10854504 A 20100705

Priority
SE 2010050775 W 20100705

Abstract (en)
[origin: WO2012005635A1] The present invention relates to a device (100) and method for measuring ice thickness on a first surface (110) of a construction element (120) arranged in an asp of a wind turbine. The device comprises a sensor arrangement (130) arranged in connection with said construction element and arranged to provide impedance values, and a processing unit (140) coupled to the sensor arrangement (130) and arranged to determine the presence of ice based on the provided impedance values. The device comprises further a reference sensor arrangement (150) arranged to generate reference impedance values. The processing unit (140) is further arranged to determine the ice thickness based on determinations of a relation between the impedance values determined by the sensor arrangement and the reference impedance values generated by the reference sensor arrangement.

IPC 8 full level
F03D 11/00 (2006.01); **G01B 7/06** (2006.01); **G01N 27/02** (2006.01); **G08B 19/02** (2006.01)

CPC (source: EP)
F03D 80/40 (2016.05); **G01B 7/06** (2013.01); **G08B 19/02** (2013.01); **F05B 2260/80** (2013.01); **F05B 2270/80** (2013.01); **Y02E 10/72** (2013.01)

Citation (search report)

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- [I] US 7439877 B1 20081021 - JARVINEN PHILIP ONNI [US]
- [I] EP 0842848 A2 19980520 - GOODRICH CO B F [US]
- See references of WO 2012005635A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2012005635 A1 20120112; BR 112013000307 A2 20160531; EP 2591307 A1 20130515; EP 2591307 A4 20140820

DOCDB simple family (application)
SE 2010050775 W 20100705; BR 112013000307 A 20100705; EP 10854504 A 20100705