

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  
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Application  
**EP 10854504 A 20100705**

Priority  
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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.

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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

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