

Title (en)
WIND TURBINE RADIO COMMUNICATION SYSTEM

Title (de)
WINDTURBINENFUNKKOMMUNIKATIONSSYSTEM

Title (fr)
SYSTÈME DE RADIOCOMMUNICATION D'ÉOLIENNE

Publication
EP 3095177 A1 20161123 (EN)

Application
EP 15700169 A 20150114

Priority
• DK PA201470015 A 20140114
• DK PA201470484 A 20140813
• DK 2015050009 W 20150114

Abstract (en)
[origin: WO2015106764A1] The invention relates to a wind turbine radio communication system. The communication system is a digital two-way radio system, and comprises an outside antenna for being mounted outside of a wind turbine structure. The system further comprises an inside tower antenna for being mounted inside the wind turbine tower, and an inside transition piece (TP) antenna for being mounted inside the wind turbine transition piece. Finally, the system comprises a digital two-way radio system repeater for being in communication with the outside antenna, the inside tower antenna, and the inside TP antenna, the repeater being configured for relaying radio signals received with the outside antenna with the inside tower antenna and/or the inside TP antenna, and vice versa. The invention further relates to a wind turbine comprising the radio communications system.

IPC 8 full level
H02K 7/18 (2006.01); **H04B 7/155** (2006.01)

CPC (source: EP US)
F03D 80/00 (2016.05 - EP); **F03D 80/82** (2016.05 - EP US); **H04B 7/15507** (2013.01 - EP); **F05B 2240/95** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP); **Y02E 10/727** (2013.01 - EP)

Citation (search report)
See references of WO 2015106764A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015106764 A1 20150723; DE 202015009044 U1 20160803; DK 201600073 U1 20160708; DK 201600073 Y3 20160812; EP 3095177 A1 20161123

DOCDB simple family (application)
DK 2015050009 W 20150114; DE 202015009044 U 20150114; DK BA201600073 U 20160622; EP 15700169 A 20150114