

Title (en)

DEVICE AND METHOD FOR DETECTING AND MEASURING WIND FOR AN AIRCRAFT

Title (de)

EINRICHTUNG UND VERFAHREN ZUM DETEKTIEREN UND MESSEN VON WIND FÜR EIN FLUGZEUG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉTECTION ET DE MESURE DE VENT POUR AÉRONEF

Publication

**EP 2353031 A1 20110810 (FR)**

Application

**EP 09753146 A 20091102**

Priority

- FR 2009001269 W 20091102
- FR 0806157 A 20081105
- FR 2009001262 W 20091030

Abstract (en)

[origin: WO2010052385A1] The invention relates to a device for detecting and measuring wind at the front of an aircraft, said device comprising a lidar for the cyclic measurement of wind speeds at at least a couple of measuring points located at the same distance, so-called measuring distance, from the nose of the aircraft. The invention is characterised in that it is suitable for measuring wind speeds, at each cycle, by means of the lidar, at a plurality of couples of measuring points (1-12) located at different measuring distances (xp-2, xp-1, xp), the difference between the largest measuring distance and the smallest measuring distance being more than 100 metres. The invention also relates to a method for detecting and measuring wind, which can be implemented by the device according to the invention.

IPC 8 full level

**G01S 17/95** (2006.01); **G01P 5/26** (2006.01); **G01S 17/58** (2006.01)

CPC (source: EP)

**G01P 5/26** (2013.01); **G01S 17/58** (2013.01); **G01S 17/95** (2013.01); **Y02A 90/10** (2017.12)

Citation (search report)

See references of WO 2010052385A1

Designated contracting state (EPC)

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 2010052385 A1 20100514**; EP 2353031 A1 20110810

DOCDB simple family (application)

**FR 2009001269 W 20091102**; EP 09753146 A 20091102