

Title (en)

SUPERCOOLED LARGE DROPLET ICE DETECTOR

Title (de)

EISDETEKTOR FÜR EINEN UNTERKÜHLTEN, GROSSEN TROPFEN

Title (fr)

DETECTEUR DE GIVRE PERMETTANT DE DETECTER DE GROSSES GOUTTELETTES SURFONDUES

Publication

EP 1401707 A1 20040331 (EN)

Application

EP 01948869 A 20010629

Priority

US 0121061 W 20010629

Abstract (en)

[origin: WO03002410A1] The present invention pertains to an ice detector (5) particularly adapted to detect the presence of water droplets capable of forming supercooled large droplet ("SLD") icing on aircraft surfaces. The invention takes advantage of boundary layer flow patterns adjacent to the detector (5), and their effect on water droplets, to provide a signal indicative of SLD icing conditions when they exist. The detector (5) is also capable of distinguishing between the presence of water droplets that cause traditional cloud icing and SLD icing.

IPC 1-7

B64D 15/20; **G08B 19/02**

IPC 8 full level

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Cited by

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