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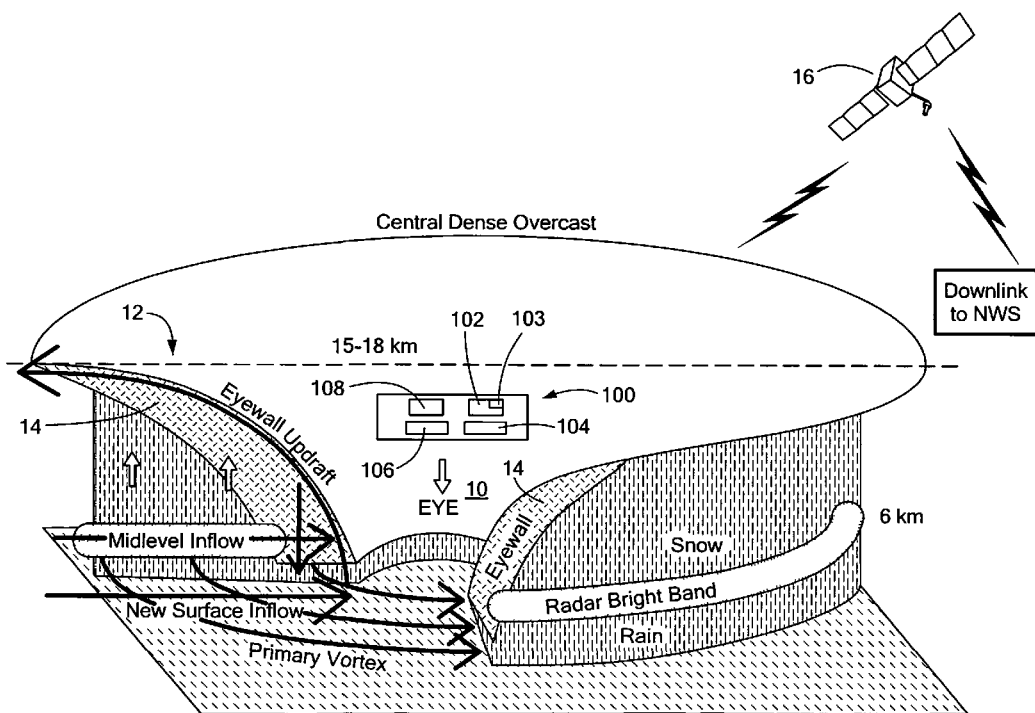
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(54) **Title:** METHOD AND APPARATUS FOR HURRICANE SURVEILLANCE FROM THE EYE



(57) **Abstract:** Methods and apparatus to provide an aerial vehicle having an eyewall sensor to enable the aerial vehicle to stay within the eye of a hurricane and transmit weather information to a remote location. In one embodiment, the aerial vehicle is an unmanned aerial vehicle (UAV) launched into the eye of the hurricane.

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<b>B. FIELDS SEARCHED</b>		
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<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	HOLLAND ET AL: "The Aerosonde Robotic Aircraft: A New Paradigm for Environmental Observations" BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, vol. 82, no. 5, May 2001 (2001-05), pages 889-901, XP002479517 the whole document	1-20
A	LANGFORD ET AL: "An Unmanned Aircraft for Dropwindsonde Deployment and Hurricane Reconnaissance" BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY, vol. 74, no. 3, March 1993 (1993-03), pages 367-375, XP002479518 the whole document	1-5, 12-19
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <span style="margin-left: 200px;"><input type="checkbox"/> See patent family annex</span>		
* Special categories of cited documents 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art '&' document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
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Name and mailing address of the ISA/ European Patent Office, P B 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx 31 651 epo nl, Fax (+31-70) 340-301S		Authorized officer  <b>Barthelemy, Matthieu</b>

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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<b>A</b>	<p>FERNANDEZ D E ET AL: "IWRAP: the Imaging Wind and Rain Airborne Profiler for Remote Sensing of the Ocean and the Atmospheric Boundary Layer within Tropical Cyclones" AEROSPACE CONFERENCE, 2006 IEEE BIG SKY, MT, USA 04-11 MARCH 2006, PISCATAWAY, NJ, USA, IEEE, 4 March 2006 (2006-03-04), pages 1-7, XP010928482 ISBN: 978-0-7803-9545-9 page 1, column 1</p> <p style="text-align: center;">-----</p>	5,15