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[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR ESTIMATING AND PREDICTING AIRFLOW AROUND AIR VEHICLES

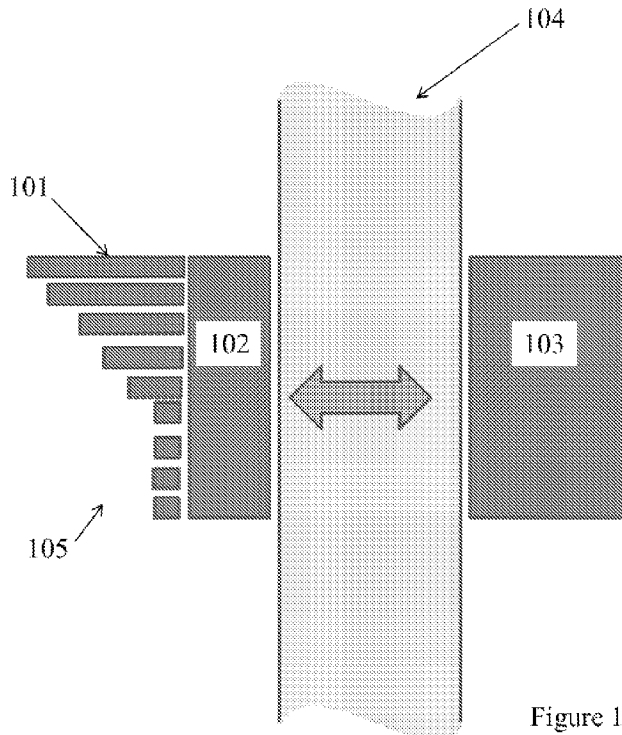
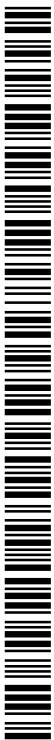


Figure 1

(57) Abstract: A method, system, and sensor for air flow sensing. The system can include a cantilever, a transducer, and a processing module. The method can include measuring beam deflections of one or more cantilevers, extracting information about air flow, and determining one or more of an airspeed, an angle of attack, and a sideslip, based on extracted information. The system and method can exploit nonlinearities in the behavior of the cantilever in fluid flow.



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C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	US 6 526 821 B1 (CORDA STEPHEN [US] ET AL) 4 March 2003 (2003-03-04)	1-12, 19-28		
Y	the whole document -----	13-18		
X	WO 00/39537 A1 (RAYTHEON CO [US]) 6 July 2000 (2000-07-06)	1-28		
Y	page 2, line 8 - line 22 page 4, line 6 - page 11, line 2; figures 1-6 -----	13-18		
X	WO 2008/042412 A2 (UNIV UTAH RES FOUND [US]; METZGER MEREDITH [US]; KING CURTIS [US]) 10 April 2008 (2008-04-10) page 1, line 20 page 3, line 8 - page 9, line 10; figures 1-3 -----	1,2,5,6, 10-28		
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<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.</td> <td style="width: 50%; border: none;"><input checked="" type="checkbox"/> See patent family annex.</td> </tr> </table>			<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.	<input checked="" type="checkbox"/> See patent family annex.
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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