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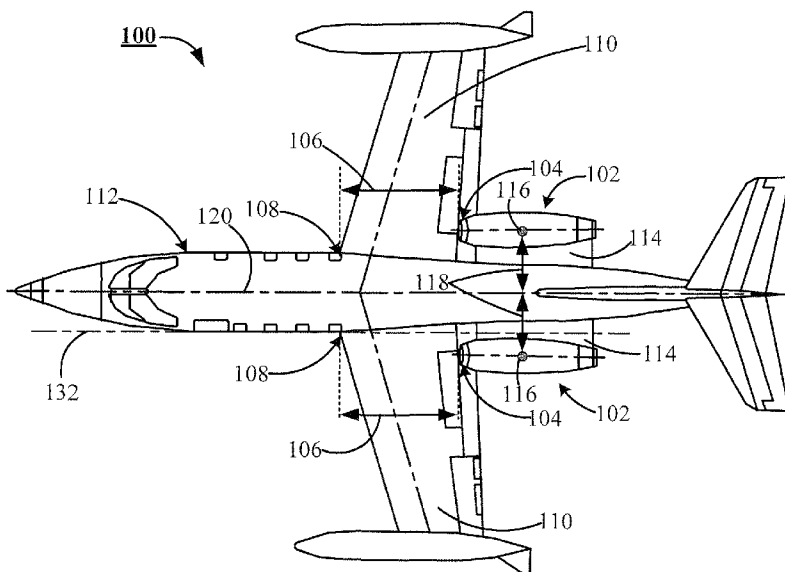
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(57) Abstract: An aircraft (100) including a wing (110) and a pylon (114), wherein the pylon provides an airfoil (134) inverted for an airfoil of the wing, and an improvement and method for improved flight dynamics for 20 and 30 Series Learjets are disclosed. The improvement includes an increased distance (106) between a leading edge (108) of a wing and an intake of an engine (102) of the aircraft, which reduces drag and increases lift for improved flight dynamics of the aircraft. The inverted airfoil of the pylon negates an influence of the pylon on flight dynamics for improved overall flight dynamic of the aircraft. The method includes steps of removing an original engine (12) from an original pylon (24), removing the original pylon from the fuselage (22) of the aircraft, and mounting a new pylon in a new location adjacent the fuselage (112).

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INTERNATIONAL SEARCH REPORT

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<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - B64D 27/00 (2008.04) USPC - 244/54 According to International Patent Classification (IPC) or to both national classification and IPC</p>																				
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<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 4,311,289 A (FINCH) 19 January 1982 (19.01.1982) entire document.</td> <td>1-15, 28</td> </tr> <tr> <td>Y</td> <td>NASA Dryden Technology Facts - The Supercritical Airfoil. NASA. 23 January 2005 [retrieved 09 June 2008]. http://web.archive.org/web/20050123090510/http://www.nasa.gov/centers/dryden/about/Organizations/Technology/Facts/TF-2004-13-DFRC.html</td> <td>1-15, 28</td> </tr> <tr> <td>A</td> <td>US 5,443,230 A (LORD et al) 22 August 1995 (22.08.1995) entire document.</td> <td>1-29</td> </tr> <tr> <td>A</td> <td>US 4,691,881 A (GIOIA) 08 September 1987 (08.09.1987) entire document.</td> <td>1-29</td> </tr> <tr> <td>A</td> <td>US 5,307,623 A (ANTUNA et al) 03 May 1994 (03.05.1994) entire document.</td> <td>1-29</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 4,311,289 A (FINCH) 19 January 1982 (19.01.1982) entire document.	1-15, 28	Y	NASA Dryden Technology Facts - The Supercritical Airfoil. NASA. 23 January 2005 [retrieved 09 June 2008]. http://web.archive.org/web/20050123090510/http://www.nasa.gov/centers/dryden/about/Organizations/Technology/Facts/TF-2004-13-DFRC.html	1-15, 28	A	US 5,443,230 A (LORD et al) 22 August 1995 (22.08.1995) entire document.	1-29	A	US 4,691,881 A (GIOIA) 08 September 1987 (08.09.1987) entire document.	1-29	A	US 5,307,623 A (ANTUNA et al) 03 May 1994 (03.05.1994) entire document.	1-29
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