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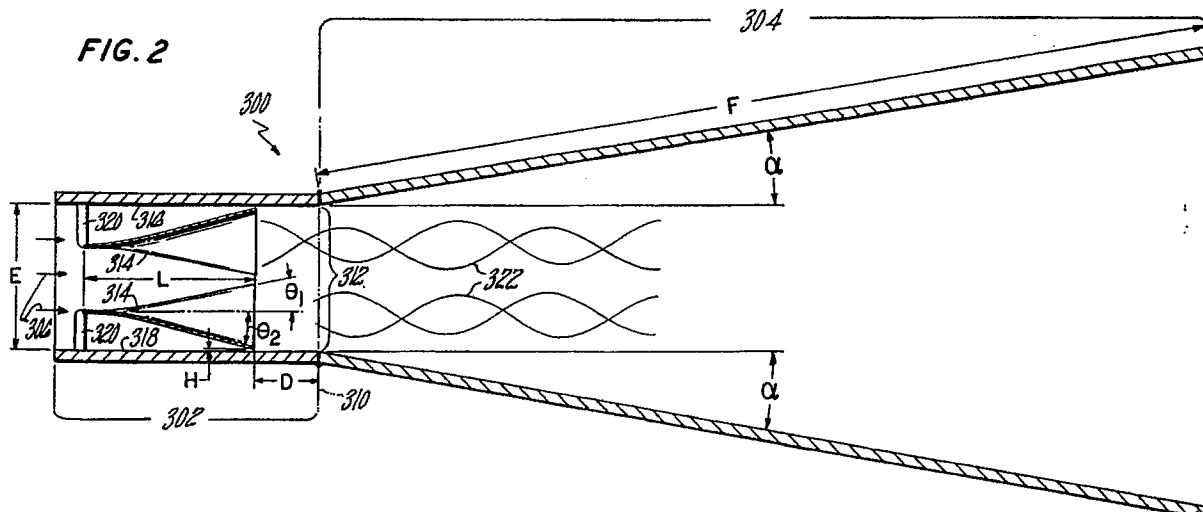
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Convolutated plate with vortex generator.

A thin, convoluted wall member (314) disposed upstream of the inlet (312) of a diffuser (304) generates large-scale vortices (322) having axes in the downstream direction. The vortices (322) enhance mixing within the diffuser (304) and can also en-

ergize the boundary layer, thereby improving diffuser performance and delaying the onset of stall. Greater diffusion angles without stall are possible. The member (314) itself creates low losses.



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EUROPEAN SEARCH REPORT

Application Number

EP 88 63 0118

DOCUMENTS CONSIDERED TO BE RELEVANT																	
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)														
A	WO-A-8 703 646 (SAAB-SCANIA AB) * Page 4, line 24 - page 5, line 15; figures 3,6 * - - -	1-21	F 15 D 1/00 F 01 N 3/28														
A	DE-A-2 843 365 (DAIMLER-BENZ AG) - - -																
A	US-A-3 953 176 (TEXAS INSTRUMENTS INC.) - - -																
A	US-A-3 870 772 (UNIVERSAL OIL PRODUCTS CO.) - - -																
A	US-A-3 827 461 (WORTHINGTON PUMP INT.) - - - - -																
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)														
			F 15 D 1/00 F 01 N 3/00														
The present search report has been drawn up for all claims																	
Place of search The Hague		Date of completion of search 08 April 91	Examiner DE SMET F.P.														
<table border="0"><tr><td>CATEGORY OF CITED DOCUMENTS</td><td>E : earlier patent document, but published on, or after the filing date</td></tr><tr><td>X : particularly relevant if taken alone</td><td>D : document cited in the application</td></tr><tr><td>Y : particularly relevant if combined with another document of the same category</td><td>L : document cited for other reasons</td></tr><tr><td>A : technological background</td><td></td></tr><tr><td>O : non-written disclosure</td><td>& : member of the same patent family, corresponding document</td></tr><tr><td>P : intermediate document</td><td></td></tr><tr><td>T : theory or principle underlying the invention</td><td></td></tr></table>				CATEGORY OF CITED DOCUMENTS	E : earlier patent document, but published on, or after the filing date	X : particularly relevant if taken alone	D : document cited in the application	Y : particularly relevant if combined with another document of the same category	L : document cited for other reasons	A : technological background		O : non-written disclosure	& : member of the same patent family, corresponding document	P : intermediate document		T : theory or principle underlying the invention	
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