

[54] **WIDE FLOW-RANGE LUBRICANT DISTRIBUTOR**

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[21] Appl. No.: **157,601**

[22] Filed: **Jun. 16, 1980**

2,906,463	9/1959	Curry	239/338
3,481,431	12/1969	Dorsey	239/338 X
3,580,249	5/1971	Takaoka	239/338 X
3,838,686	10/1974	Szekely	239/338 X
3,871,484	3/1975	Thomas	184/6.26
3,939,944	2/1976	Mitchell et al.	184/6.26
4,284,243	8/1981	Shaner	239/553.5

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 60,423, Jul. 25, 1979,
abandoned.

[51] **Int. Cl.³** **F01M 1/16**

[52] **U.S. Cl.** **184/6.26; 184/55 A;**
239/338; 239/553.5

[58] **Field of Search** **184/6.26, 7 R, 7 A,**
184/55 R, 55 A, 56 R; 239/553, 553.5, 553.3,
338

References Cited

U.S. PATENT DOCUMENTS

2,227,278	12/1940	Slater	184/55 A
2,245,600	6/1941	Medsker	184/55 A
2,245,601	6/1941	Medsker	184/55 A
2,826,454	3/1958	Coanda	239/338

[57] **ABSTRACT**

A distributor for feeding a lubricant to lubrication tubes is provided. A pressurized lubricant stream is projected from an outlet across a gap and impinges at least in part on an inlet of a lubrication tube positioned to face the stream. The lubrication tube is supported so as to limit interference of flow into its inlet by excess lubricant from the stream not impinging on the inlet. The lubricant stream may be in the form of an essentially conical stream diverging from the outlet, two lubrication tubes positioned with their respective inlets in essentially uniform spacing from the outlet and from the axis of the conical stream receiving essentially uniform quantities of lubricant. The lubrication stream may be a pressurized air-oil stream.

41 Claims, 15 Drawing Figures

