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[54] **STEERABLE LIGHT DIFFUSING CATHETER**

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[52] U.S. Cl. **604/280**

[58] Field of Search 604/95, 280, 101;
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[57] **ABSTRACT**

A steerable catheter is disclosed which can treat luminal surfaces such as those occurring in the vascular tree, pulmonary tree, gastrointestinal tract, urological organs, etc. with Photodynamic Therapy (PDT) or other optical diffusing treatments. The catheter, which may include an inflatable balloon portion, has a light diffusing tip which can be deflected allowing the catheter to be steered precisely. The light diffusing tip on the steerable catheter is able to gain access to and enter virtually any sub-branch of the luminal system being treated. Since this catheter does not require a guidewire lumen for insertion, the profile is reduced. A low profile device allows treatment light to be delivered to the walls of the most distal, small diameter lumen.

3 Claims, 6 Drawing Sheets

