



US005147203A

# United States Patent [19]

[11] Patent Number: **5,147,203**

**Seidenberg**

[45] Date of Patent: **Sep. 15, 1992**

[54] **AIR/WATER DELIVERY SYSTEM FOR USE WITH DENTAL ILLUMINATION DEVICES**

Primary Examiner—John J. Wilson  
Attorney, Agent, or Firm—Schweitzer Cornman & Gross

[76] Inventor: **Jack W. Seidenberg**, 936 Madison St., Woodmere, N.Y. 11598

[57] **ABSTRACT**

[21] Appl. No.: **737,774**

An apparatus allowing the provision of light and/or water at the tip of a dental illumination light curing device normally provided without such capability includes a pair of supply lines terminating at their remote end in an adapter capable of connection to a standard air/water connection as found on a dental pedestal. The local ends of the supply lines terminate at the neck of the illuminator, where they are supported upon the neck by a clamp, and interconnect with a pair of nozzle tubes. The nozzle tubes have exits at the illuminator tip, and are secured thereto in a removable manner. The modular nature of the apparatus allows removal and exchange of the nozzle elements as desired to accommodate differing illuminator neck shapes and lengths and permit sterilization and replacement of the nozzle elements.

[22] Filed: **Jul. 30, 1991**

[51] Int. Cl.<sup>5</sup> ..... **A61C 3/00**

[52] U.S. Cl. .... **433/29; 433/82; 433/85**

[58] Field of Search ..... **433/29, 82, 85**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

2,012,886	8/1935	Lowry	433/85
4,020,556	5/1977	Sotman	433/29
4,872,837	10/1989	Issalene et al.	433/29
4,902,225	2/1990	Lohn	433/29
5,007,837	4/1991	Werly	433/29

**FOREIGN PATENT DOCUMENTS**

797533	7/1958	United Kingdom	433/82
--------	--------	----------------	--------

**3 Claims, 2 Drawing Sheets**

