

[54] **PROCESS FOR DETACHING OR PREVENTING ATTACHMENT OF MICROORGANISMS TO A SURFACE**

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[21] Appl. No.: **390,706**

[22] Filed: **Jun. 21, 1982**

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 918,792, Jun. 26, 1978, Ser. No. 918,795, Jun. 26, 1978, Ser. No. 918,817, Jun. 26, 1978, Ser. No. 927,614, Jul. 24, 1978, Ser. No. 929,119, Jul. 27, 1978, Ser. No. 961,932, Nov. 30, 1978, Ser. No. 724,942, Sep. 20, 1976, abandoned, Ser. No. 724,943, Sep. 20, 1976, abandoned, Ser. No. 113,362, Feb. 8, 1971, Pat. No. 3,741,204, Ser. No. 123,830, Mar. 12, 1971, Pat. No. 3,767,812, Ser. No. 283,662, Aug. 25, 1972, Pat. No. 3,805,776, Ser. No. 369,236, Jun. 12, 1973, Pat. No. 3,924,000, Ser. No. 483,010, Jun. 25, 1974, Pat. No. 3,982,017, Ser. No. 283,663, Aug. 25, 1972, Pat. No. 3,828,772, and a continuation of Ser. No. 755,400, Dec. 29, 1976, Pat. No. 4,097,064, Ser. No. 890,239, Mar. 27, 1978, Ser. No. 642,114, Dec. 18, 1975, abandoned, and a continuation of Ser. No. 153,573, May 27, 1980, abandoned, which is a continuation-in-part of Ser. No. 965,319, Dec. 1, 1978, abandoned, which is a continuation of Ser. No. 890,239, Mar. 27, 1978.

[51] Int. Cl.³ **A01N 37/00; A01N 35/02**

[52] U.S. Cl. **424/318; 424/343**

[58] Field of Search **424/318, 343**

[56] **References Cited**

PUBLICATIONS

Chem. Abst. 63, 955(e), (1965), Velluti et al.
 Chem. Abst. 15, 1164(4), (1921), Davis et al.
 Chem. Abst. 20, 1457(5), (1926).
 J. Bact. 44, 6570(6), (1942), Drea.
 Chem. Abst. 45, 7630(d), (1951), Dumoff et al.
 Chem. Abst. 28, 2467(5), (1934), Barnes et al.
 Chem. Abst. 36, 6570(6), (1942), Drea.

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[57] **ABSTRACT**

Process for preventing microorganisms, such as, mold, fungi, bacteria, and/or virus, from attaching to a surface. The microorganism and/or the surface are treated with an effective amount of a solution. The solution has the property of being antimicrobial. The solution contains an effective amount of a non-necrotic sclerosing fatty acid salt, an effective amount of ethanol, a buffering agent and a water carrier. The fatty acid salt is one prepared from an unsaturated fatty acid having one double bond and from an alkali metal, alkaline earth metal, alkali metal compound or alkaline earth metal compound. The pH of the solution is between 9 and 11.

18 Claims, No Drawings