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Alliger et al.

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|------|--|-----------|--------|----------------------|---------|
| [54] | CHLORINE DIOXIDE SKIN MEDICATING COMPOSITIONS FOR PREVENTING IRRITATION | 4,986,990 | 1/1991 | Davidson et al. | 424/665 |
| | | 5,407,656 | 4/1995 | Roozdar | 423/477 |

OTHER PUBLICATIONS

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The New Encyclopedia Britannica, Encyclopedia Britannica, Inc., Chicago, 15th Edition, 1994, vol. 1, p. 291.

Remington's Pharmaceutical Sciences, Mack Printing Co., Easton(PA), 18th Edition, 1990, p. 773.

[21] Appl. No.: **388,622**

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[51] **Int. Cl.⁶** **A01N 59/00**; A61K 33/20; A61K 33/40

[57] **ABSTRACT**

[52] **U.S. Cl.** **424/665**; 424/613; 424/615; 424/661; 424/662; 424/663; 424/664; 424/195.1; 514/390; 514/738; 514/922

The present invention relates to the discovery that the inclusion of effective amounts of an irritation reducing compound selected from the group consisting of allantoin, glycerine, aloe vera and mixtures, thereof, in a chlorine dioxide generating composition will substantially reduce skin irritation which is caused by chlorine dioxide exposure to the skin.

[58] **Field of Search** 424/661, 665, 424/662, 663, 664, 613, 615, 195.1; 423/477; 514/738, 390, 922

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,891,216 1/1990 Kross et al. 424/661

21 Claims, No Drawings