

[54] GERM-KILLING COMPOSITION AND METHOD

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3,065,040	11/1962	Walbet et al.	8/108
3,124,506	3/1964	Holman	424/65
3,271,242	9/1966	McNicholas et al.	167/17
3,585,147	6/1971	Gordon	252/187 R
3,843,548	10/1974	James	252/187 H
3,912,450	10/1975	Boucher	21/54 A
4,330,531	5/1982	Alliger	424/149

FOREIGN PATENT DOCUMENTS

959238	12/1974	Canada	252/187 A
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Related U.S. Patent Documents

Reissue of:

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 [58] Field of Search ..... 252/187 R, 188.3 R,  
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 422/20, 28, 29

References Cited

U.S. PATENT DOCUMENTS

2,071,091	2/1937	Taylor	167/17
2,988,514	6/1961	Robson et al.	252/187 R

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 Blaustein & Judlowe

[57] ABSTRACT

Germ-killing composition produced by contacting an acid material, preferably consisting of at least about 15% by weight of lactic acid, with sodium chlorite in aqueous media, the amount of acid being sufficient to lower the **[PH]** pH of the aqueous media to less than about 7. Methods of disinfecting and sanitizing include application of either the germ killing composition, or reactants providing in situ production thereof, to a germ carrier including substrates of various kinds as well as an enclosed air space.

14 Claims, No Drawings