

United States Patent [19]

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Keritsis

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- [54] **MODIFIED CELLULOSIC SMOKING MATERIAL AND METHOD FOR ITS PREPARATION**
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3,529,602	9/1970	Hind et al.	131/360
3,613,693	10/1971	Monte	131/360
3,807,414	4/1972	Hedge	131/360
3,931,824	1/1976	Miano et al.	131/360
3,943,942	3/1976	Anderson	131/360
3,987,802	10/1976	Austin	131/360
4,008,723	2/1977	Borthwich et al.	131/360
4,109,664	8/1978	Hedge	131/360
4,233,993	11/1980	Miano et al.	131/360

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Related U.S. Application Data

- [62] Division of Ser. No. 930,328, Aug. 2, 1978, Pat. No. 4,333,484.
- [51] **Int. Cl.³** **A24B 15/24; A24B 15/26; A24B 15/28**
- [52] **U.S. Cl.** **131/369; 131/359; 131/352; 131/353; 131/370; 162/181.2; 162/183; 162/158**
- [58] **Field of Search** **131/360, 370, 369, 352, 131/353, 358, 359; 162/181.2, 183, 158**

References Cited

U.S. PATENT DOCUMENTS

1,086,386	2/1914	Menzies	162/181.2
2,226,841	12/1940	Barnhart	162/181.2

[57] **ABSTRACT**

A process for producing a synthetic smoking material is disclosed. The process preferably comprises forming an aqueous slurry of cellulosic material, preferably in the form of loose and slightly beaten cellulose fibers, adding certain metal salts to the slurry, casting the same and thereafter drying, conditioning and slitting or cutting the resulting sheet to produce a low tar filler material. The water-soluble metal salts to be added are selected from the group consisting of calcium salts, magnesium salts, iron salts, and aluminum salts, and are preceded or followed by addition of ammonium or alkali metal salts capable of precipitating the cation of the said water-soluble salts.

25 Claims, No Drawings