

[54] **VINYLIC GROUP CONTAINING DEXTRAN DERIVATIVE GEL FOR USE IN ELECTROPHORETIC SEPARATION PROCESSES**

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[58] **Field of Search 260/17.4 ST, 17.4 GC; 536/51, 112; 210/31 C**

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,868,781	1/1959	Gaertner et al.	536/112
2,885,373	5/1959	Novak	260/17.4
3,042,667	7/1962	Flodin et al.	536/112
3,208,994	9/1965	Flodin	536/112
3,561,933	2/1971	Restaino et al.	260/17.4
3,635,857	1/1972	Restaino et al.	260/17.4
3,706,661	12/1972	Tangen et al.	210/31 C
3,826,767	7/1974	Hoover et al.	260/17.4
3,989,656	11/1976	Kamiya et al.	260/17.4

FOREIGN PATENT DOCUMENTS

974,054	11/1964	United Kingdom	260/17.4
392,627	7/1973	U.S.S.R.	210/31 C

OTHER PUBLICATIONS

Chem. Abst. 82:141801s, Synthesis of Unsaturated Derivatives of Cellulose and Dextran, Kolova et al.

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[57] **ABSTRACT**

A dextran derivative gel for use in electrophoretic separation processes is disclosed, which gel comprises a polymerizate obtained by the free-radical homopolymerization of a dextran derivative containing vinylic groups of the formula



wherein A is —CH₂— or —O— and R is a hydrogen atom, a methyl group, a trifluoromethyl group, a fluorine, chlorine or bromine atom or a cyano group, or free-radical copolymerization of such a vinylic derivative of dextran with a low-molecular weight monovinyl compound.

2 Claims, No Drawings