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# United States Patent [19]

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**Le Percec et al.**

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[54] **RESINS WITH A PRIMARY AMINE OR GUANIDINE FUNCTION**

[56] **References Cited**

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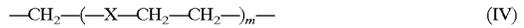
[22] Filed: **Dec. 29, 1997**

[57] **ABSTRACT**

**Related U.S. Application Data**

The process includes the reaction of a chloroformamidinium chloride with a polystyrene-divinylbenzene resin functionalized with primary amine groups. The resins which can be obtained according to this process may in particular have a spacer arm of general formula (IV):

[62] Division of Ser. No. 764,017, Dec. 11, 1996, Pat. No. 5,726,253.



[30] **Foreign Application Priority Data**

Dec. 11, 1995 [FR] France ..... 95/14583

[51] **Int. Cl.<sup>6</sup>** ..... **C08G 63/48**; C08G 63/91; C08F 8/30

with X representing oxygen or sulphur and m being equal to 1 or 2. This spacer arm bears at its end, on the right, a primary amine group or a guanidine group.

[52] **U.S. Cl.** ..... **525/54.11**; 525/332.2; 525/359.1

[58] **Field of Search** ..... 525/54.11, 359.1, 525/332.2

**5 Claims, No Drawings**