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(54) **TEMPLATED COMPOSITIONS OF INORGANIC LIQUIDS AND GLASSES**

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(58) **Field of Search** 252/299.01, 299.5;
423/463, 470, 473, 704, 705

(56) **References Cited**

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(57) **ABSTRACT**

An inorganic liquid or glass of hybrid composition including an inorganic component; and a template component, wherein the inorganic component and the template component are present in composition in a ratio that provides an intermediate range structural order to the composition. The intermediate range structural order results in the formation of metallotropic liquid crystals and anisotropic glasses. Methods of preparing the composition are also disclosed.

29 Claims, 9 Drawing Sheets

