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(54) **COVALENTLY LINKED ORGANIC FRAMEWORKS AND POLYHEDRA**

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(58) **Field of Classification Search** 502/150
See application file for complete search history.

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(57) **ABSTRACT**

A covalently linked organic network includes a plurality of boron-containing clusters linked together by a plurality of linking groups. The covalently linked organic networks are characterized by having each linking group bonded to at least two distinct boron-containing clusters.

12 Claims, 11 Drawing Sheets