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(54) **METHOD FOR PRODUCING POROUS METAL-ORGANIC FRAMEWORK MATERIALS**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to processes for preparing a porous metal-organic framework comprising at least two organic compounds coordinated to at least one metal ion, the porous metal-organic frameworks prepared by the process and their use, in particular for gas storage and gas separation.

15 Claims, No Drawings