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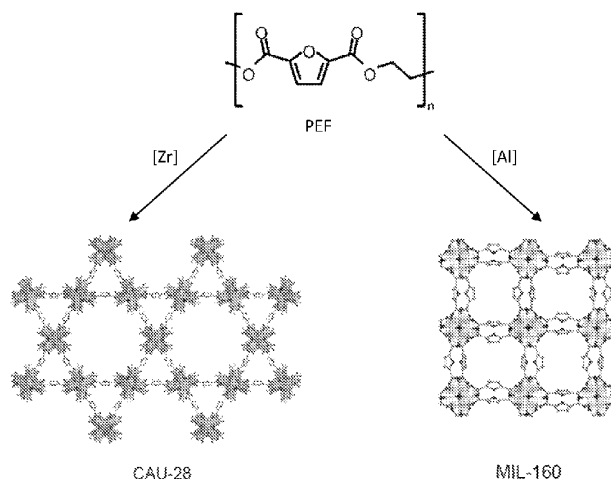


FIG. 1

(57) Abstract: The invention provides a one-pot process for obtaining a metal organic framework (MOF) from a polymeric material, the process comprising the steps of: (i) subjecting an aqueous mixture comprising a polymeric material capable of being hydrolysed to provide 2,5-furandicarboxylic acid to hydrolysis conditions; and (ii) adding a metal salt that comprises a metal capable of generating a MOF with 2,5- furandicarboxylic acid to the aqueous mixture to provide a reaction mixture and heating the reaction mixture at an elevated temperature for a period of time to provide a MOF.

[Continued on next page]

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