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(57) Abstract :

IRON ORE SLIME DERIVED MAGNETITE SUPPORTED NI FOR SELECTIVE CONVERSION OF FURFURAL TO FURFURYL ALCOHOL The present invention relates to a Ni-loaded nanocatalyst for selective conversion of furfural to furfuryl alcohol and a method for preparing the Ni-loaded nanocatalyst. Magnetite nanoparticles derived from Iron ore slime are used as a support for loading of the active catalyst (Ni) and Pluronic® P 123 is used as the surfactant to synthesise the catalyst. Reference Fig 1

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