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(54) Title: IONIC LIQUID CATALYST HAVING ENHANCED ACTIVITY

(57) Abstract: A process for producing acidic ionic liquid catalyst having enhanced activity comprising combining fresh acidic ionic liquid catalyst, a metal and a Brønsted acid in a reaction zone for a time sufficient to increase the activity of the ionic liquid catalyst is disclosed. A process for producing acidic ionic liquid catalyst having enhanced activity comprising the steps of combining fresh ionic liquid catalyst, a metal and HCl in a reaction zone for a time sufficient to increase the activity of the fresh ionic liquid catalyst; removing reaction product from the reaction zone and recovering at least a portion of the treated ionic liquid catalyst is also disclosed.



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