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(57) Abstract :

The present invention relates to a process for the preparation of methanol by the hydrogenation of bicarbonate and carbon dioxide (CO₂) captured from air, comprising mixing aqueous bicarbonate solution and catalyst [Ni(L1)(8HQ)Cl] of Formula 1, and allowing hydrogen gas to bubble into the mixture for a predetermined period at a temperature in the range of 60°C to 110°, followed by recovering the methanol from the reaction mixture.

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