

Process for the preparation of formic acid by reacting carbon dioxide with hydrogen

5 Abstract

A process for preparing formic acid by reacting carbon dioxide with hydrogen in a hydrogenation reactor in the presence of a catalyst comprising an element of group 8, 9 or 10 of the Periodic Table, a tertiary amine and a polar solvent to form formic acid-amine adducts which are subsequently dissociated thermally into formic acid and tertiary amine.

15 (Figure 1)