PROCESS FOR THE CO-PRODUCTION OF DIALKYL SUCCINATE AND 1,4-BUTANEDIOL BY HYDROGENATING DIALKYL MALEATE IN TWO STAGES

DESCRIPTION

The present invention relates to a process for the efficient co-production of dialkyl-succinate and 1,4-butanediol by catalytic hydrogenation of dialkyl maleate.

FIELD OF THE INVENTION

Embodiments disclosed herein relate generally to process and equipment to co-produce 1,4-butanediol, together with dialkyl succinate as co-product, by reacting a feed, consisting of alkyl maleate, with hydrogen gas in a two stages reaction over suitable catalysts.

BACKGROUND OF THE INVENTION

Over the last decades, the world production of plastic materials and, therefore, of plastic waste is dramatically increased.