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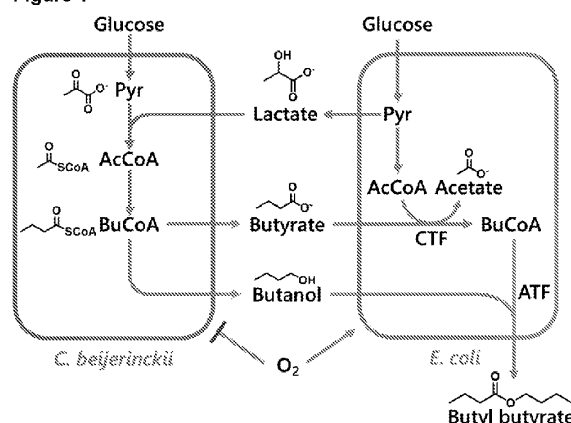
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(54) Title: PRODUCING BUTYL BUTYRATE FROM LIGNOCELLULOSIC BIOMASS THROUGH ESCHERICHIA COLI-CLOSTRIDIUM CO-CULTURE

Figure 1



(57) Abstract: The present invention relates to compositions comprising a genetically engineered Escherichia coli and an acetone-butanol-ethanol (ABE)-producing Clostridium and methods of their use to provide valuable chemicals, such as butyl butyrate or butyl acetate from lignocellulosic biomass. More particularly said genetically engineered E. coli strain has been transformed by at least one polynucleotide molecule comprising a CoA transferase (CTF) gene and an alcohol acyltransferase (ATF) gene operably linked to at least one promoter.

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