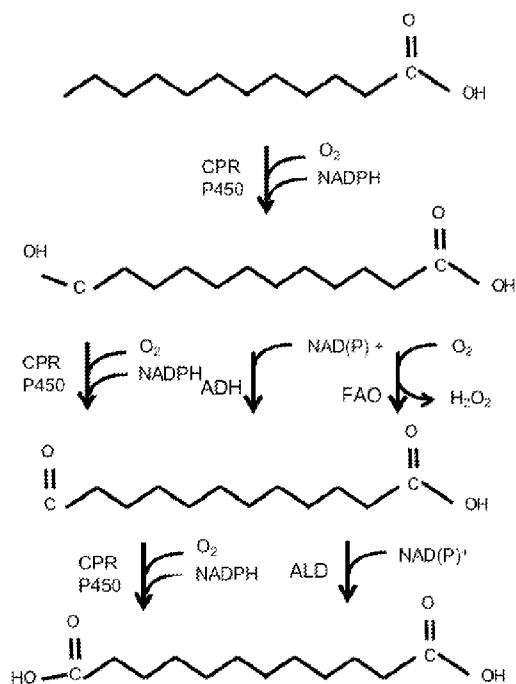




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(54) Title: BIOLOGICAL METHODS FOR PREPARING A FATTY DICARBOXYLIC ACID



(57) Abstract: Provided are engineered microorganisms capable of producing fatty dicarboxylic acids and products expressed by such microorganisms. Also provided are biological methods for producing fatty dicarboxylic acids.

FIG. 31



MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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