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(54) Title: MICROORGANISMS FOR THE PRODUCTION OF ANILINE

(57) Abstract: A non-naturally occurring microbial organism having an aniline pathway includes at least one exogenous nucleic acid encoding an aniline pathway enzyme expressed in a sufficient amount to produce aniline. The aniline pathway includes (1) an aminodeoxychorismate synthase, an aminodeoxychorismate lyase, and a 4-aminobenzoate carboxylase or (2) an anthranilate synthase and an anthranilate decarboxylase. A method for producing aniline, includes culturing these non-naturally occurring microbial organisms under conditions and for a sufficient period of time to produce aniline.

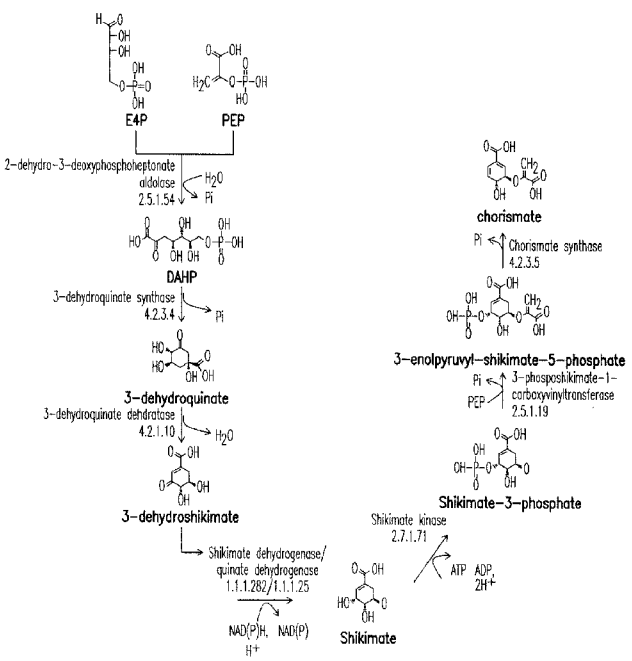


FIG. 1

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SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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— *with international search report (Art. 21(3))*

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