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(54) Title: THERAPEUTIC ENGINEERED MICROBIAL CELL SYSTEMS AND METHODS FOR TREATING HYPER-
URICEMIA AND GOUT

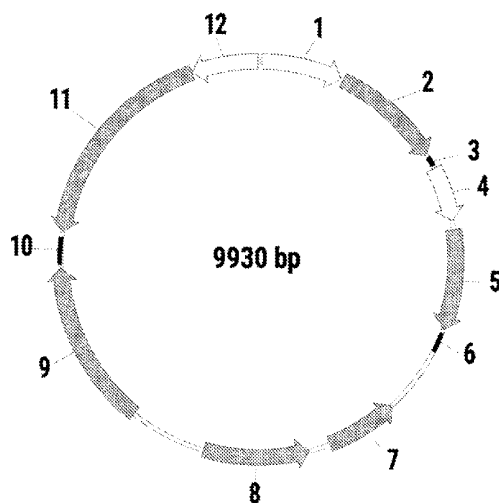


Fig. 1

(57) Abstract: The present disclosure relates to engineered mi-
crobial cells that have been engineered to include a uricase, a uric
acid transporter, or both a uricase and a uric acid transporter. The
engineered microbial cells of the present disclosure are useful
in degrading uric acid inside the engineered microbial cell. The
engineered microbial cells of the present disclosure are useful
in methods of treating hyperuricemia. The engineered microbial
cells of the present disclosure are also useful in methods of treat-
ing gout, and in particular chronic refractory gout.

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