

Title (en)

OVER-EXPRESSION OF FUMARATE-SUCCINATE TRANSPORTER IN YEAST FOR INCREASED ETHANOL AND REDUCED ACETATE PRODUCTION

Title (de)

ÜBEREXPRESSION DES FUMARAT-SUCCINAT-TRANSPORTERS IN HEFE FÜR ERHÖHTE ETHANOLPRODUKTION UND REDUZIERTE ACETATPRODUKTION

Title (fr)

SUREXPRESSION DU TRANSPORTEUR FUMARATE-SUCCINATE DANS LA LEVURE POUR AUGMENTER LA PRODUCTION D'ÉTHANOL ET RÉDUIRE LA PRODUCTION D'ACÉTATE

Publication

**EP 3938519 A1 20220119 (EN)**

Application

**EP 20718458 A 20200314**

Priority

- US 201962818471 P 20190314
- US 2020022853 W 20200314

Abstract (en)

[origin: WO2020186254A1] Described are compositions and methods relating to modified yeast that over-express fumarate-succinate transporter. The yeast produces an increased amount of ethanol and decreased amount of acetate compared to parental cells. Such yeast is particularly useful for large-scale ethanol production from starch substrates where acetate is an undesired by-product.

IPC 8 full level

**C12N 15/81** (2006.01); **C07K 14/395** (2006.01); **C12P 7/06** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2020186254A1

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