

Title (en)

PROCESS FOR REDUCING CARBON DIOXIDE EMISSIONS IN SUGAR PRODUCTION

Title (de)

VERFAHREN ZUR VERMINDERUNG VON KOHLENDIOXIDEMISSIONEN BEI DER ZUCKERHERSTELLUNG

Title (fr)

PROCÉDÉ DE RÉDUCTION DES ÉMISSIONS DE DIOXYDE DE CARBONE DANS LA PRODUCTION DE SUCRE

Publication

**EP 4159876 A1 20230405 (EN)**

Application

**EP 21306366 A 20210930**

Priority

EP 21306366 A 20210930

Abstract (en)

The present invention relates to the use of a particulate adsorbent material composition comprising particles having least 98% w/w of calcium carbonate relative to the particles' weight and presenting a mean diameter ranging from 30 µm to 50 µm, for the treatment of an aqueous composition comprising saccharose such as a sugarbeet aqueous extract. The invention further relates to a method for treating an aqueous composition and a method for producing sugar from sugarbeets that enable such particulate adsorbent material composition.

IPC 8 full level

**C13B 20/02** (2011.01); **C13B 20/12** (2011.01)

CPC (source: EP)

**C13B 20/02** (2013.01); **C13B 20/123** (2013.01)

Citation (applicant)

US 2011214669 A1 20110908 - DENEUS ERIC [BE], et al

Citation (search report)

- [IY] US 2020206716 A1 20200702 - AJDARI RAD MOHSEN [DE]
- [Y] WO 9720771 A1 19970612 - MINERALS TECH INC [US]
- [A] US 2020208227 A1 20200702 - AJDARI RAD MOHSEN [DE]

Designated contracting state (EPC)

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BA ME

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**EP 4159877 A1 20230405**; **EP 4159877 B1 20240731**; EP 4159876 A1 20230405

DOCDB simple family (application)

**EP 22199168 A 20220930**; EP 21306366 A 20210930