

Title (en)

METHOD FOR PRODUCING TARTARIC ACID AND A CONCENTRATE OF GRAPE PIGMENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON WEINSÄUREN UND VON EINEN TRAUBENPIGMENTKONZENTRATE

Title (fr)

PROCEDE DE PRODUCTION D'ACIDE TARTRIQUE ET D'UN CONCENTRE DE PIGMENTS DE RAISIN

Publication

EP 1185611 A1 20020313 (EN)

Application

EP 00908140 A 20000317

Priority

PT 0000001 W 20000317

Abstract (en)

[origin: WO0168797A1] The disclosure pertains to a process for the production of tartaric acid and a grape anthocyanin pigment concentrate from winery by-products. This procedure is characterised by the removal of pigments present in the by-products through its adsorption onto an adequate polymeric adsorbent resin, before the production of the tartaric acid. Later, the tartaric acid is produced from potassium bitartrate by an ion exchange process using a gel type strong cation resin, especially developed for food applications, contained in a fixed bed. The present method also concerns the recycling of the used cation exchange regenerant solution and the ethanol used as regenerant for the adsorbent resin. As a result of this operation, it is possible to reduce substantially the quantity of effluents to be rejected from the system, increase the recovery of tartaric acid and the extraction of the anthocyanic pigments. Additionally, an exemplification of this method is presented schematically in figure 3.

IPC 1-7

C12F 3/06

IPC 8 full level

C12F 3/06 (2006.01)

CPC (source: EP)

C12F 3/06 (2013.01)

Citation (search report)

See references of WO 0168797A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0168797 A1 20010920; AU 2951200 A 20010924; EP 1185611 A1 20020313; HK 1047447 A1 20030221

DOCDB simple family (application)

PT 0000001 W 20000317; AU 2951200 A 20000317; EP 00908140 A 20000317; HK 02106743 A 20020913