

Title (en)

FORMING TEREPHTHALIC ACID BY ELECTROCHEMICAL ACIDIFICATION OF A SODIUM TEREPHTHALATE SOLUTION

Title (de)

GEWINNUNG VON TEREPHTHALSÄURE DURCH ELEKTROCHEMISCHE ANSÄURUNG EINER NATRIUMTEREPHTALAT-LÖSUNG

Title (fr)

FORMATION DE L'ACIDE TEREPHTALIQUE PAR ACIDIFICATION ELECTROCHIMIQUE D'UNE SOLUTION DE TEREPHTALATE DE SOUDE

Publication

**EP 1027319 A1 20000816 (FR)**

Application

**EP 98941522 A 19980731**

Priority

- FR 9801722 W 19980731
- FR 9710095 A 19970806

Abstract (en)

[origin: FR2767131A1] The invention concerns a method for recuperating from saponification products of alkylene polyterephthalate with soda, both terephthalate ions in acid form and sodium ions in the form of soda and for optimising the recuperation process. The invention is characterised in that the sodium terephthalate solution resulting from dissolving these saponification products are subjected to a step of electrochemical pre-acidification to bring it to a pH of 4 to 7, then an electrochemical acidification by electrolysis to precipitate the terephthalic acid in the anode section and recuperate in the cathode the soda which can be recycled, if required, after being previously concentrated, to the step of saponification.

IPC 1-7

**C07C 51/02**; **C07C 63/26**; **C25B 3/00**

IPC 8 full level

**C07C 51/02** (2006.01); **C25B 1/16** (2006.01); **C25B 3/00** (2006.01)

CPC (source: EP US)

**C07C 51/02** (2013.01 - EP US); **C25B 1/16** (2013.01 - EP US); **C25B 3/00** (2013.01 - EP US)

Citation (search report)

See references of WO 9907663A1

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)

**FR 2767131 A1 19990212**; **FR 2767131 B1 19991022**; AU 8986998 A 19990301; EP 1027319 A1 20000816; US 6312582 B1 20011106; WO 9907663 A1 19990218

DOCDB simple family (application)

**FR 9710095 A 19970806**; AU 8986998 A 19980731; EP 98941522 A 19980731; FR 9801722 W 19980731; US 49848300 A 20000204