

Title (en)
METHOD FOR SEPARATING A HYDROXYBENZONITRILE-TYPE COMPOUND

Title (de)
VERFAHREN ZUR ABTRENNUNG VON HYDROXYBENZONITRILVERBINDUNGEN

Title (fr)
PROCEDE DE SEPARATION D'UN COMPOSE DE TYPE HYDROXYBENZONITRILE

Publication
EP 1289937 A1 20030312 (FR)

Application
EP 01945416 A 20010613

Priority

- FR 0101833 W 20010613
- FR 0007568 A 20000614

Abstract (en)
[origin: FR2810317A1] Separating hydroxybenzonitrile compounds (I) from a reaction gas stream containing (I) at least partially in the form of ammonium salts (II) (i.e. ammonium cyanophenates) involves removing ammonium ions by physical treatment of the gas stream or solid recovered after gas liquefaction (optionally after converting the solid into solution) or chemical treatment of the gas flow after liquefaction. Independent claims are included for the following: (i) some of the salts (II), and (ii) four forms of apparatus for carrying out the process, where (I) is 2-hydroxybenzonitrile (2-HBN), and (iii) hydroxybenzonitrile ammonium salts of formula (II') and ammonium 2-cyanophenate of formula (IIA) as new compounds. R = one or more substituents.

IPC 1-7
C07C 253/34; **C07C 255/53**

IPC 8 full level
C07B 61/00 (2006.01); **C07C 253/28** (2006.01); **C07C 253/34** (2006.01); **C07C 255/53** (2006.01); **C07C 255/59** (2006.01)

CPC (source: EP US)
C07C 253/34 (2013.01 - EP US); **C07C 255/53** (2013.01 - EP US)

Citation (search report)
See references of WO 0196284A1

Cited by
CN107098830A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
FR 2810317 A1 20011221; **FR 2810317 B1 20020726**; AU 6764101 A 20011224; EP 1289937 A1 20030312; JP 2004503524 A 20040205; US 2006149093 A1 20060706; WO 0196284 A1 20011220

DOCDB simple family (application)
FR 0007568 A 20000614; AU 6764101 A 20010613; EP 01945416 A 20010613; FR 0101833 W 20010613; JP 2002510428 A 20010613; US 31110003 A 20030610