

Title (en)
Purification process for Sodium

Title (de)
Verfahren zum Raffinieren von Natrium

Title (fr)
Procédé de purification du sodium

Publication
EP 1258536 B1 20040707 (FR)

Application
EP 02356088 A 20020513

Priority
FR 0106458 A 20010516

Abstract (en)
[origin: EP1258536A1] Purification of sodium to reduce its calcium content involves contacting, at a temperature equal to or greater than 150 degrees C inside a static mixer, with a current of gas, inert with respect to sodium, charged with water vapor in a stoichiometric quantity necessary for oxidizing the calcium to lower its content to a desired level, and separating the purified sodium from the inert gas and the hydrogen and lime products from the reaction. The inert gas used may be nitrogen or argon.

IPC 1-7
C22B 26/10

IPC 8 full level
C22B 9/05 (2006.01); **C22B 26/10** (2006.01)

CPC (source: EP US)
C22B 9/05 (2013.01 - EP US); **C22B 26/10** (2013.01 - EP US)

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)
EP 1258536 A1 20021120; EP 1258536 B1 20040707; AT E270716 T1 20040715; CN 1239722 C 20060201; CN 1389585 A 20030108; DE 60200705 D1 20040812; DE 60200705 T2 20050728; FR 2824845 A1 20021122; FR 2824845 B1 20030627; JP 2003041329 A 20030213; JP 4180836 B2 20081112; US 2002170390 A1 20021121; US 6773483 B2 20040810

DOCDB simple family (application)
EP 02356088 A 20020513; AT 02356088 T 20020513; CN 02119300 A 20020515; DE 60200705 T 20020513; FR 0106458 A 20010516; JP 2002133702 A 20020509; US 14606702 A 20020516