

Title (en)

METHOD FOR THE CONTINUOUS PRODUCTION OF 2-BROMO-2-NITRO-1, 3-PROPANEDIOL

Title (de)

VERFAHREN ZUR KONTINUIERLICHEN HERSTELLUNG VON 2-BROM-2-NITRO-1, 3-PROPANDIOL

Title (fr)

PROCEDE DE FABRICATION CONTINUE DE 2-BROMO-2-NITRO-1,3-PROPANE DIOL

Publication

EP 1414781 A1 20040506 (DE)

Application

EP 02754968 A 20020801

Priority

- DE 10137829 A 20010802
- EP 0208595 W 20020801

Abstract (en)

[origin: WO03011811A1] The invention relates to a method for the continuous production of 2-bromo-2-nitro-1, 3-propanediol, according to which: I) nitromethane and one or two aqueous solutions containing formaldehyde and alkali hydroxide are intermixed, with molar ratios of formaldehyde to nitromethane of 1.9 to 2.2:1 and alkali hydroxide to nitromethane of 0.95:1 to 1.1:1, and continuously supplied to a first, cooled reaction zone; II) the aqueous reaction mixture obtained in step I) is continuously removed from the first reaction zone and is directly and continuously supplied, along with bromine, to at least one second, cooled reaction zone; and III) 2-bromo-2-nitro-1,3-propanediol is isolated from the aqueous reaction mixture obtained in step II).

IPC 1-7

C07C 201/12; **C07C 205/15**

IPC 8 full level

C07B 61/00 (2006.01); **C07C 201/12** (2006.01); **C07C 205/26** (2006.01)

CPC (source: EP KR US)

C07C 201/12 (2013.01 - EP KR US)

Citation (search report)

See references of WO 03011811A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03011811 A1 20030213; CN 1237047 C 20060118; CN 1538949 A 20041020; DE 10137829 A1 20030213; EP 1414781 A1 20040506; JP 2004536151 A 20041202; KR 20040029390 A 20040406; US 2004186326 A1 20040923; US 6867336 B2 20050315

DOCDB simple family (application)

EP 0208595 W 20020801; CN 02815211 A 20020801; DE 10137829 A 20010802; EP 02754968 A 20020801; JP 2003517005 A 20020801; KR 20047001568 A 20020801; US 48520704 A 20040129