

Title (en)

1,2,3,4,4A,9A-HEXAHYDROANTHRACEN-9,10-DION, ITS PREPARATION AND ITS APPLICATION IN THE DELIGNIFICATION OF LIGNOCELLULOSIC MATERIAL

Publication

EP 0006790 B1 19810902 (FR)

Application

EP 79400378 A 19790612

Priority

FR 7819466 A 19780629

Abstract (en)

[origin: ES482028A1] A new industrial product, namely 1,2,3,4,4a,9a-hexahydro-9,10-anthracene-dione, is disclosed together with a process for its preparation and its use in conventional alkali metal hydroxide cook or Kraft cook processes for the delignification of lignocellulose materials.

IPC 1-7

C07C 49/76; **C07C 39/12**; **D21C 3/22**

IPC 8 full level

C07C 45/62 (2006.01); **B01J 23/00** (2006.01); **C07B 61/00** (2006.01); **C07C 39/12** (2006.01); **C07C 45/00** (2006.01); **C07C 49/675** (2006.01); **C07C 49/76** (2006.01); **C07C 67/00** (2006.01); **D21C 3/00** (2006.01); **D21C 3/22** (2006.01); **C07C 49/643** (2006.01)

CPC (source: EP US)

D21C 3/222 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR IT SE

DOCDB simple family (publication)

EP 0006790 A1 19800109; **EP 0006790 B1 19810902**; AT E179 T1 19810915; AU 4847379 A 19800103; AU 527739 B2 19830317; BR 7904062 A 19800311; CA 1117940 A 19820209; DE 2960731 D1 19811126; ES 482028 A1 19800701; FI 66832 B 19840831; FI 66832 C 19841210; FI 792039 A 19791230; FR 2435457 A1 19800404; FR 2435457 B1 19810130; JP S559082 A 19800122; JP S622569 B2 19870120; NO 151616 B 19850128; NO 151616 C 19850508; NO 792184 L 19800103; NZ 190792 A 19811019; SU 924034 A1 19820430; SU 965349 A3 19821007; US 4235666 A 19801125

DOCDB simple family (application)

EP 79400378 A 19790612; AT 79400378 T 19790612; AU 4847379 A 19790628; BR 7904062 A 19790627; CA 330746 A 19790626; DE 2960731 T 19790612; ES 482028 A 19790628; FI 792039 A 19790628; FR 7819466 A 19780629; JP 8198979 A 19790628; NO 792184 A 19790628; NZ 19079279 A 19790622; SU 2782701 A 19790628; SU 2893554 A 19800310; US 5265879 A 19790627