Title (en)
METHOD OF OBTAINING LIGNIN FROM ALCALINE LIGNIN SOLUTIONS

Publication
EP 0140226 A3 19880831 (DE)

Application
EP 84112077 A 19841009

Priority
DE 3339449 A 19831031

Abstract (en)
[origin: ES8506820A1] Procedure and device for obtaining lignin from alkaline solutions of lignin.comprended: a) add anodically the solutions of lignin continuously, through an electrolysis; and b) catalytically regenerate the alcali in the process. The alkaline solution of lignine is an extract or a residual bleach of a process of cellulose and the alcali is naoh. Consists of: a recipient (2) in the form of paralelepipedo; a membrane (3) whose same or matches with the taman/or surface (6) side of the container (2) and divides the interior (2) in an anodic compartment (7) and a cathodic compartment (8); an anode (4) and a catode (5) with its current connections (10, 11) and inlet ducts (12, 16) to (2) and outlet ducts (13, 17) of (2). (Machine-translation by Google Translate, not legally binding)

IPC 1-7
C07G 1/00; C25B 3/00

IPC 8 full level
C07G 1/00 (2006.01); **C25B 3/00** (2006.01); **D21C 11/00** (2006.01); C05F 7/02 (2006.01)

CPC (source: EP US)
D21C 11/0042 (2013.01 - EP US)

Citation (search report)
- [A] US 2354553 A 19440725 - SHERK DANIEL L
- [A] DE 507969 C 19300922 - GUSTAF HAGLUND
- [A] FR 1071173 A 19540826 - MONSANTO CHEMICALS
- [A] TAPPI, Band 54, Nr. 10, Oktober 1971, Seiten 1641-1645, Technical Association of the Pulp and Paper Industry, New York, US; E. SANTIAGO: "Electrolytic treatment of spent liquors from pulp mills"

Cited by
EP3722501A1; DE102017115391A1; WO2016062676A1; WO9322490A1; WO2012054947A3; WO2015086772A1; WO2020207766A1

Designated contracting state (EPC)
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EP 0140226 A2 19850508; **EP 0140226 A3 19880831**; **EP 0140226 B1 19920513**; AT E76079 T1 19920515; BR 8405541 A 19850910; CA 1269345 A 19900522; DE 3339449 A1 19850509; DE 3339449 C2 19871203; DE 3485719 D1 19920617; ES 537170 A0 19850816; ES 8506820 A1 19850816; FI 76849 B 19880831; FI 76849 C 19881212; FI 843766 A0 19840925; FI 843766 L 19850501; NO 169289 B 19920224; NO 169289 C 19920603; NO 843879 L 19850502; PT 79434 A 19841101; PT 79434 B 19860915; US 4584076 A 19860422

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