

Title (en)

Alkaline black liquor treatment.

Title (de)

Behandlung einer alkalischen Schwarzlauge.

Title (fr)

Traitement d'une liqueur noire alcaline.

Publication

**EP 0251533 A1 19880107 (EN)**

Application

**EP 87305198 A 19870612**

Priority

US 87715686 A 19860623

Abstract (en)

The capacity of a chemical recovery plant for alkaline black pulping liquors is increased by diverting a portion (38) of the black liquors (1) to a wet oxidation step (39). Organic material is oxidized and water is evaporated. The resulting oxidized black liquor (42) is combined with unoxidized black liquor (43) to produce a black liquor mixture (44,50) of reduced volume and a higher ratio of pulping chemicals to organic matter. The liquor mixture (50) is burned in a recovery furnace (52) at an increased rate.

IPC 1-7

**D21C 11/14**

IPC 8 full level

**D21C 11/14** (2006.01)

CPC (source: EP)

**D21C 11/14** (2013.01)

Citation (search report)

- [X] WO 8504202 A1 19850926 - SPANNUTH ROBERT J, et al
- [AD] US 3714911 A 19730206 - PRADT L
- [X] TAPPI JOURNAL, vol. 67, no. 11, November 1984, pages 52-58, Atlanta, Georgia, US; T.M. GRACE: "Increasing recovery boiler throughput"

Cited by

US9102533B2; EP3124693A1; WO2012117161A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0251533 A1 19880107**; AU 7361687 A 19871224; BR 8703602 A 19880823; FI 872751 A0 19870622; FI 872751 A 19871224; NO 872605 D0 19870622

DOCDB simple family (application)

**EP 87305198 A 19870612**; AU 7361687 A 19870528; BR 8703602 A 19870623; FI 872751 A 19870622; NO 872605 A 19870622