

Title (en)

A PROCESS FOR REDUCING PHOSPHORUS IN EFFLUENTS FROM A PULPING PROCESS

Title (de)

VERFAHREN ZUM REDUZIEREN VON PHOSPHOR IN ABWÄSSERN AUS EINEM ZELLSTOFFVERFAHREN

Title (fr)

PROCÉDÉ DE RÉDUCTION DU PHOSPHORE DANS LES EFFLUENTS D'UN PROCÉDÉ DE MISE EN PÂTE

Publication

**EP 4017835 A1 20220629 (EN)**

Application

**EP 20764135 A 20200818**

Priority

- FI 20195695 A 20190823
- FI 2020050537 W 20200818

Abstract (en)

[origin: WO2021038126A1] A process for reducing phosphorus in effluents from a pulping process (1) is disclosed. The process comprises combining a plurality of acidic effluents (2, 2', 2'') obtainable from the pulping process into an acidic effluent stream (3); combining a plurality of alkaline effluents (4, 4', 4'') obtainable from the pulping process into an alkaline effluent stream (5); treating at least a portion (6) of the acidic effluent stream by adjusting the pH thereof to alkaline with an alkaline agent (7), such that phosphorus in the at least the portion of the acidic effluent stream is precipitated in the form of a phosphate salt, and by removing the precipitate (8) at least partially to produce a purified effluent stream (9); and combining the purified effluent stream with the alkaline effluent stream and optionally with the untreated portion of the acidic effluent stream (10).

IPC 8 full level

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