

Title (en)
PROCESS FOR TREATING LIGNIN CONTAINING CELLULOSE PULP WITH OZONE

Publication
EP 0325890 B1 19930609 (DE)

Application
EP 88810034 A 19880125

Priority
EP 88810034 A 19880125

Abstract (en)
[origin: EP0325890A1] To separate lignin from cellulose material, the latter is exposed to the action of ozone in the gaseous phase in the presence of at least one C1-3-fatty acid, particularly acetic acid, in order to render the lignin contained in the cellulose material more soluble in the fatty acid by oxidative conversion.

IPC 1-7
D21C 9/153; **D21C 9/16**

IPC 8 full level
D21C 9/153 (2006.01); **D21C 9/16** (2006.01)

CPC (source: EP US)
D21C 9/153 (2013.01 - EP US); **D21C 9/163** (2013.01 - EP US)

Cited by
EP0705362A4; EP0480469A3; DE4107354C1; US5385641A; EP0503304A1; DE4107357C1

Designated contracting state (EPC)
AT DE ES FR GB SE

DOCDB simple family (publication)
EP 0325890 A1 19890802; **EP 0325890 B1 19930609**; AT E90404 T1 19930615; BR 8900299 A 19890919; CA 1319472 C 19930629; DE 3881676 D1 19930715; ES 2041828 T3 19931201; JP H01221587 A 19890905; US 5074960 A 19911224

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EP 88810034 A 19880125; AT 88810034 T 19880125; BR 8900299 A 19890125; CA 588913 A 19890123; DE 3881676 T 19880125; ES 88810034 T 19880125; JP 1741489 A 19890125; US 60659590 A 19901031