

Title (en)

METHOD FOR OZONE TREATMENT OF A LIQUID PHASE CONTAINING SOLID PARTICLES

Title (de)

VERFAHREN ZUR OZONISIERUNG EINER FESTSTOFFPARTIKEL ENTHALTENDEN FLÜSSIGEN PHASE

Title (fr)

PROCEDE D'OZONATION D'UNE PHASE LIQUIDE CONTENANT DES PARTICULES SOLIDES

Publication

EP 1478803 A2 20041124 (FR)

Application

EP 03718869 A 20030212

Priority

- FR 0300462 W 20030212
- FR 0202023 A 20020218

Abstract (en)

[origin: WO03070648A2] The invention concerns a novel method for ozone treatment of a liquid phase containing solid particles, in particular paper pulp. Said method is characterized in that the liquid phase (3), containing 0.5 to 5 wt. % of solid, and the gas containing ozone are introduced in cocurrent into a tubular reactor (T).

IPC 1-7

D21C 9/153; **D21C 9/10**; **C02F 1/78**

IPC 8 full level

D21C 9/153 (2006.01); **C02F 1/78** (2006.01)

CPC (source: EP US)

D21C 9/153 (2013.01 - EP US); **C02F 1/78** (2013.01 - EP US); **C02F 2103/28** (2013.01 - EP US)

Citation (search report)

See references of WO 03070648A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03070648 A2 20030828; **WO 03070648 A3 20040325**; AU 2003222908 A1 20030909; AU 2003222908 A8 20030909; CA 2475684 A1 20030828; EP 1478803 A2 20041124; FR 2836163 A1 20030822; FR 2836163 B1 20040507; JP 2005517831 A 20050616; US 2005109475 A1 20050526

DOCDB simple family (application)

FR 0300462 W 20030212; AU 2003222908 A 20030212; CA 2475684 A 20030212; EP 03718869 A 20030212; FR 0202023 A 20020218; JP 2003569564 A 20030212; US 50480704 A 20040816