

Title (en)

A PROCESS FOR CONTROLLING MICROBIAL GROWTH

Title (de)

VERFAHREN ZUR KONTROLLE VON MIKROBIEUELLEM WACHSTUM

Title (fr)

PROCESSUS PERMETTANT DE MAITRISER LA CROISSANCE MICROBIENNE

Publication

**EP 1287201 A1 20030305 (EN)**

Application

**EP 01931742 A 20010427**

Priority

- FI 0100410 W 20010427
- FI 20001040 A 20000504

Abstract (en)

[origin: WO0183886A1] The invention relates to a process for controlling microbial growth in a production line for cellulosic products with the aid of gases. The invention also relates to the use of gases such as carbon dioxide, nitrogen, argon and/or non-naturally occurring mixtures thereof for controlling microbial growth. In the process an aqueous material containing water and suspended pulp fibers and/or additives therefor is treated with the gaseous inhibitor to significantly retard or inhibit the growth of microorganisms therein. An oxygen rich gas may be introduced in addition to the inhibitor of the invention.

IPC 1-7

**D21H 21/02**; **D21H 21/04**; **D21F 1/66**

IPC 8 full level

**D21B 1/38** (2006.01); **D21F 1/66** (2006.01); **D21H 17/63** (2006.01); **D21H 21/04** (2006.01)

CPC (source: EP US)

**D21B 1/38** (2013.01 - EP US); **D21F 1/66** (2013.01 - EP US); **D21H 21/04** (2013.01 - EP US)

Citation (search report)

See references of WO 0183886A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0183886 A1 20011108**; AT E259448 T1 20040215; AU 5844501 A 20011112; CA 2407898 A1 20011108; DE 60102015 D1 20040318; DE 60102015 T2 20041125; EP 1287201 A1 20030305; EP 1287201 B1 20040211; FI 110533 B 20030214; FI 20001040 A 20011105; JP 2003531973 A 20031028; NO 20025242 D0 20021101; NO 20025242 L 20021101; PT 1287201 E 20040630; US 2003155090 A1 20030821

DOCDB simple family (application)

**FI 0100410 W 20010427**; AT 01931742 T 20010427; AU 5844501 A 20010427; CA 2407898 A 20010427; DE 60102015 T 20010427; EP 01931742 A 20010427; FI 20001040 A 20000504; JP 2001580489 A 20010427; NO 20025242 A 20021101; PT 01931742 T 20010427; US 27514903 A 20030225