

Title (en)

METHOD FOR PRODUCING BEER

Title (de)

VERFAHREN ZUR BIERHERSTELLUNG

Title (fr)

PROCEDE DE PRODUCTION DE BIERE

Publication

EP 0973603 A1 20000126 (EN)

Application

EP 98914598 A 19980407

Priority

- AT 59697 A 19970408
- AT 59797 A 19970408
- US 9806969 W 19980407

Abstract (en)

[origin: WO9845029A1] The present invention provides a method for producing beer comprising filtering beer through a porous membrane until such time that the porous membrane is in need of cleaning, contacting the porous membrane with an enzyme selected from the group consisting of cellulases, amylases, and combinations thereof, particularly a cellulase having a crystalline: soluble cellulose activity ratio at 60 minutes of at least about 0.1, to clean the porous membrane, and then reusing the porous membrane to continue filtering beer. The present invention further provides a method for producing beer comprising filtering beer through a porous membrane that progressively clogs during filtration, monitoring the streaming or zeta potential of the porous membrane as a measure of the extent of clogging of the porous membrane, halting filtration of the beer through the porous membrane before the porous membrane becomes fully clogged as determined by the streaming or zeta potential of the porous membrane, cleaning the porous membrane, and then reusing the porous membrane to continue filtering beer.

IPC 1-7

B01D 65/06

IPC 8 full level

B01D 61/14 (2006.01); **B01D 65/06** (2006.01); **B01D 71/56** (2006.01); **C12C 7/26** (2006.01); **C12H 1/00** (2006.01); **C12H 1/07** (2006.01);
G01N 27/60 (2006.01)

CPC (source: EP KR)

B01D 65/02 (2013.01 - EP); **B01D 65/06** (2013.01 - KR); **C12H 1/063** (2013.01 - EP); **B01D 2321/166** (2013.01 - EP); **G01N 27/60** (2013.01 - EP)

Citation (search report)

See references of WO 9845029A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9845029 A1 19981015; AU 6891698 A 19981030; AU 724451 B2 20000921; BR 9814243 A 20011106; CA 2286267 A1 19981015;
CN 1137765 C 20040211; CN 1259882 A 20000712; EP 0973603 A1 20000126; JP 2001519715 A 20011023; JP 3538203 B2 20040614;
KR 100538790 B1 20051223; KR 20010006206 A 20010126

DOCDB simple family (application)

US 9806969 W 19980407; AU 6891698 A 19980407; BR 9814243 A 19980407; CA 2286267 A 19980407; CN 98805952 A 19980407;
EP 98914598 A 19980407; JP 54307698 A 19980407; KR 19997009286 A 19991008