



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(48) Corrigendum issued on:
19.06.2019 Bulletin 2019/25

(45) Date of publication and mention
of the grant of the patent:
01.05.2019 Bulletin 2019/18

(21) Application number: **10759123.2**

(22) Date of filing: **30.03.2010**

(51) Int Cl.:
D21C 11/00 ^(2006.01) **B01D 29/37** ^(2006.01)
B01D 69/02 ^(2006.01)

(86) International application number:
PCT/SE2010/050348

(87) International publication number:
WO 2010/114468 (07.10.2010 Gazette 2010/40)

(54) **METHOD AND ARRANGEMENT FOR CLARIFYING GREEN LIQUOR**
VERFAHREN UND ANORDNUNG ZUR KLÄRUNG VON GRÜNLAUKE
PROCÉDÉ ET DISPOSITIF POUR CLARIFIER UNE LIQUEUR VERTE

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK SM TR

(30) Priority: **02.04.2009 SE 0950213**

(43) Date of publication of application:
08.02.2012 Bulletin 2012/06

(73) Proprietor: **Cleanflow AB**
667 31 Forshaga (SE)

(72) Inventors:
• **LINDSTRÖM, Mikael**
S-181 66 Lidingö (SE)
• **LINDGREN, Christofer**
S-113 33 Stockholm (SE)
• **BÖRJESON, Lennart**
S-663 92 Hammarö (SE)
• **KÄLLÉN, Lennart**
S-667 32 Forshaga (SE)

(74) Representative: **Johansson, Lars E.**
Hynell Patenttjänst AB
P.O. Box 138
683 23 Hagfors (SE)

(56) References cited:
JP-A- 2004 026 639 US-A- 5 262 053
US-A- 5 628 875 US-A- 6 123 806
US-A1- 2004 173 531

- **LIU G ET AL: "Application of inorganic membranes in the alkali recovery process", DESALINATION, ELSEVIER, AMSTERDAM, NL, vol. 169, no. 2, 1 October 2004 (2004-10-01), pages 193-205, XP004640320, ISSN: 0011-9164, DOI: 10.1016/J.DESAL.2004.08.017**
- **GAN Q ET AL: "Beer clarification by microfiltration - product quality control and fractionation of particles and macromolecules", JOURNAL OF MEMBRANE SCIENCE, ELSEVIER SCIENTIFIC PUBL.COMPANY. AMSTERDAM, NL, vol. 194, no. 2, 15 December 2001 (2001-12-15), pages 185-196, XP004306426, ISSN: 0376-7388, DOI: 10.1016/S0376-7388(01)00515-4**
- **BOLDUAN P ET AL: "Ceramic membranes and their application in food and beverage processing", FILTRATION AND SEPARATION, ELSEVIER ADVANCED TECHNOLOGY, OXFORD, GB, vol. 37, no. 3, 1 April 2000 (2000-04-01), pages 36-38, XP004196938, ISSN: 0015-1882, DOI: 10.1016/S0015-1882(00)88497-9**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

- BROSTRÖM, F.: 'Grönlutfiltrering med Crossflow-filter' TRITA-CHE-REPORT vol. 66, 2007, ISSN 1654-1081 pages 1 - 42