



(11) **EP 3 418 328 B8**

(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:  
**03.07.2024 Bulletin 2024/27**

(45) Date of publication and mention  
of the grant of the patent:  
**15.05.2024 Bulletin 2024/20**

(21) Application number: **17177131.4**

(22) Date of filing: **21.06.2017**

(51) International Patent Classification (IPC):  
**C08J 11/06** <sup>(2006.01)</sup> **B01D 11/02** <sup>(2006.01)</sup>  
**B29B 17/02** <sup>(2006.01)</sup>

(52) Cooperative Patent Classification (CPC):  
**B01D 11/0203; B01D 11/0273; B01D 11/028;**  
**B01D 11/0296; B29B 17/02; C08J 11/06;**  
**B29B 2017/0293; B29K 2029/00; C08J 2329/14;**  
**Y02P 20/54; Y02W 30/62**

(54) **METHOD AND SYSTEM FOR CLEANING AND UPGRADING POST-CONSUMER AND/OR POST-INDUSTRIAL POLYVINYLBUTYRAL**

VERFAHREN UND SYSTEM ZUR REINIGUNG UND ZUM ERWEITERN VON POST-CONSUMER-UND/ODER POST-INDUSTRIELLEM POLYVINYLBUTYRAL

PROCÉDÉ ET SYSTÈME DE NETTOYAGE ET DE MISE À NIVEAU DE POLYVINYLBUTYRAL APRÈS CONSOMMATION ET/OU POST-INDUSTRIEL

(84) Designated Contracting States:  
**AL 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 RS SE SI SK SM TR**

(43) Date of publication of application:  
**26.12.2018 Bulletin 2018/52**

(73) Proprietor: **Shark Solutions A/S**  
**4000 Roskilde (DK)**

(72) Inventors:  
• **Holmegaard, Jens**  
**2840 Holte (DK)**  
• **Mundt, Frank**  
**8305 Samsø (DK)**

(74) Representative: **Patrade A/S**  
**Ceresbyen 75**  
**8000 Aarhus C (DK)**

(56) References cited:  
**WO-A1-97/05194 US-A1- 2009 209 667**  
**US-A1- 2010 249 253**

- **SHENDE R V ET AL: "Supercritical extraction with carbon dioxide and ethylene of poly(vinyl butyral) and dioctyl phthalate from multilayer ceramic capacitors", THE JOURNAL OF SUPERCRITICAL FL, ELSEVIER, AMSTERDAM, NL, vol. 23, no. 2, 1 June 2002 (2002-06-01), pages 153-162, XP004361119, ISSN: 0896-8446, DOI: 10.1016/S0896-8446(02)00023-2**
- **HUI WANG ET AL: "Extracting Plasticizer from Polyvinylbutyral Plastics by Supercritical Fluid", ADVANCED MATERIALS RESEARCH, vol. 550-553, 1 July 2012 (2012-07-01), pages 908-913, XP055432590, DOI: 10.4028/www.scientific.net/AMR.550-553.908**

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).

**EP 3 418 328 B8**