

Title (en)
TREATMENT OF BACTERIAL NANOCELLULOSE

Title (de)
BEHANDLUNG VON BAKTERIELLER NANOCELLULOSE

Title (fr)
TRAITEMENT DE LA NANOCELLULOSE BACTÉRIENNE

Publication
EP 4097297 A4 20240228 (EN)

Application
EP 21746315 A 20210128

Priority

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- AU 2020902179 A 20200629
- AU 2020904449 A 20201201
- AU 2021050050 W 20210128

Abstract (en)
[origin: WO2021151149A1] Disclosed is a process of defibrillating bacterial nanocellulose. The process may comprise providing a pulp comprising bacterial nanocellulose and an alkaline solution and freezing the pulp to form a frozen pulp. The process may comprise allowing the frozen pulp to thaw to form a solution having at least partially defibrillated bacterial nanocellulose fibres. The at least partially defibrillated bacterial nanocellulose fibres may be fully dissolved. The at least partially defibrillated bacterial nanocellulose fibres may be in the form of a non-woven material.

IPC 8 full level
D21H 11/18 (2006.01); **C08B 1/00** (2006.01); **D21C 1/06** (2006.01); **D21C 3/02** (2006.01); **D21C 9/00** (2006.01)

CPC (source: AU EP)
C08B 1/003 (2013.01 - EP); **D21C 1/06** (2013.01 - AU); **D21C 3/02** (2013.01 - AU); **D21C 9/00** (2013.01 - EP); **D21C 9/004** (2013.01 - AU EP); **D21C 9/007** (2013.01 - AU); **D21H 11/18** (2013.01 - AU EP); **D21H 11/20** (2013.01 - EP); **D21B 1/068** (2013.01 - AU)

Citation (search report)

- [X] CN 102671236 A 20120919 - UNIV BEIJING SCIENCE & TECH
- [X] CN 109970996 A 20190705 - UNIV TIANJIN SCIENCE & TECH
- [X] CN 107115563 A 20170901 - BEIJING ZAISHENG BIOLOGY TECH CO LTD
- [XI] JP H10158303 A 19980616 - BIO POLYMER RES KK
- [A] BUDTOVA TATIANA ET AL: "Cellulose in NaOH-water based solvents: a review", CELLULOSE, SPRINGER NETHERLANDS, NETHERLANDS, vol. 23, no. 1, 5 November 2015 (2015-11-05), pages 5 - 55, XP035825653, ISSN: 0969-0239, [retrieved on 20151105], DOI: 10.1007/S10570-015-0779-8
- See also references of WO 2021151149A1

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