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Declarations under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:
— *with international search report (Art. 21(3))*
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06 May 2021 (06.05.2021)

(54) **Title:** LIQUID FABRIC SOFTENING COMPOSITION

(57) **Abstract:** The present disclosure provides compositions for use as in-rinse softeners for textiles. The compositions can be in the form of liquid fabric softeners that can be configured to substantially avoid build-up on treated fabrics. In particular, the compositions can comprise predominately water and at least a conditioning agent, such as a polymeric quaternary ammonium salt, that will provide conditioning and softening effects to a treated fabric without leaving behind undesired build-up. The compositions optionally may include further components, such as anti-static agents, chlorine scavengers, preservatives, and acidifying agents.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 20/59007

A. CLASSIFICATION OF SUBJECT MATTER
IPC - C11D 11/00; C11D 3/00; C11D 3/30 (2021.01)
CPC - C11D 1/62; C11D 11/0017; C11D 3/001

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
See Search History document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WO 2019/014086 A1 (Colgate-Palmolive Company) 17 January 2019 (17.01.2019) abstract, para [0003], [0033], [0046], [0047], [0064]	1-7, 11-17 ---------- 8-10
Y	US 5,460,736 A (Trinh et al.) 24 October 1995 (24.10.1995) abstract; col 1, ln 20-22	8-10
A	WO 2019/117902 A1 (Colgate-Palmolive Company) 20 June 2019 (20.06.2019) entire document	1-17
A	WO 2019/070838 A1 (Lubrizol Advanced Materials, Inc.) 11 April 2019 (11.04.2019) entire document	1-17
A	US 2006/0058214 A1 (Zhang et al.) 16 March 2006 (16.03.2006) entire document	1-17

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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