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(71) Applicant (for all designated States except US): **SURE INTERNATIONAL VENTURES B.V.** [NL/NL]; 2 Martinus Nijhofflaan, NL-2624 ES Delft (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BUKSHPAN, Shmuel** [IL/IL]; 28 Gihon St., 47203 Ramat Ha-sharon (IL). **ZILBERSTEIN, Gleb** [IL/IL]; 11 Bustan Street, 76564 Rechovot (IL).

(74) Agent: **DR EYAL BRESSLER LTD**; 11 Tuval St., 52522 Ramat Gan (IL).

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(54) Title: COMPOSITIONS AND METHODS FOR CELL KILLING

(57) Abstract: The present invention presents a biocidal packaging for cosmetics and/or foodstuffs, comprises at least one insoluble proton sink or source (PSS). The packaging is provided useful for killing living target cells (LTCs), or otherwise disrupting vital intracellular processes and/or intercellular interactions of said LTC upon contact. The PSS comprises, inter alia, (i) proton source or sink providing a buffering capacity; and (ii) means providing proton conductivity and/or electrical potential. The PSS is effectively disrupting the pH homeostasis and/or electrical balance within the confined volume of the LTC and/or disrupting vital intercellular interactions of the LTCs while efficiently preserving the pH of said LTCs' environment. The present invention also discloses a method for killing living target cells (LTCs), or otherwise disrupting vital intracellular processes and/or intercellular interactions of said LTC being in a packaging, especially cosmetic or foodstuffs' packaging.



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