

Title (en)
ELECTROCHEMICAL CONTACT LENS DISINFECTION AND NEUTRALIZATION SYSTEM

Publication
EP 0376962 A4 19910424 (EN)

Application
EP 88906780 A 19880713

Priority
• US 7470387 A 19870717
• US 11792287 A 19871104

Abstract (en)
[origin: WO8900430A1] A method and apparatus generates superoxides for cleaning and sterilizing contact lenses (5) in an electrolytic solution (3), which optionally includes an antiseptic, such as hydrogen peroxide. The apparatus includes a container in the form of a lens case (1) containing water and/or a disinfectant solution in two chambers (4) in which each one of a pair of contact lenses (5) is immersed. The lens case (1) can be made of nonconductive materials such as glass, most rigid or semi-rigid plastics, or any other material which is not significantly chemically reactive with hydrogen peroxide or free radicals generated in the disinfecting process. The lens case (1) is provided with circular covers (2) which can be threaded onto the lens case (1) to seal the corresponding circular chambers (4) thereby preventing leakage of the solution (3).

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IPC 8 full level
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Citation (search report)
• GB 2200653 A 19880810 - MITSUBISHI GAS CHEMICAL CO
• GB 2094992 A 19820922 - TOMEI SANGYO KK
• FR 2550946 A1 19850301 - PARANT BERNARD [FR]
• US 3334035 A 19670801 - DEWS JULE N, et al
• See references of WO 8900430A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 8900430 A1 19890126; AU 1390192 A 19920528; BR 8807619 A 19900904; DK 13590 A 19900314; DK 13590 D0 19900117; EP 0376962 A1 19900711; EP 0376962 A4 19910424; ES 2010292 A6 19891101; FI 900213 A0 19900115; IL 87127 A0 19881230; IL 87127 A 19930513; JP H03502050 A 19910516; MX 173044 B 19940131; NZ 225423 A 19901127

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US 8802376 W 19880713; AU 1390192 A 19920330; BR 8807619 A 19880713; DK 13590 A 19900117; EP 88906780 A 19880713; ES 8802240 A 19880715; FI 900213 A 19900115; IL 8712788 A 19880715; JP 50683188 A 19880713; MX 1227688 A 19880715; NZ 22542388 A 19880715