

Title (en)
PRODUCING HYDROGEN PEROXIDE

Title (de)
HERSTELLUNG VON WASSERSTOFFPEROXID

Title (fr)
PRODUCTION DE PEROXYDE D'HYDROGÈNE

Publication
EP 2004878 A2 20081224 (EN)

Application
EP 07732269 A 20070402

Priority
• GB 2007001219 W 20070402
• GB 0607277 A 20060411

Abstract (en)
[origin: GB2437956A] An electrolytic cell 1 is arranged to generate hydrogen peroxide and includes a reservoir 12 for storing hydrogen peroxide generated by the cell. A controller 19 is arranged to activate the cell and introduce stored hydrogen peroxide from the reservoir to the cell. This permits the concentrating a store of hydrogen peroxide to be refreshed as required, by introduction the stored hydrogen peroxide as the electrolyte in the cell. This counteracts the natural decay of the stored hydrogen peroxide. The pH of the hydrogen peroxide is controlled so that it is below a predetermined value. It has been found that hydrogen peroxide having a low pH, close to neutral decays much slower than hydrogen peroxide having a more strongly alkaline pH. The hydrogen peroxide so produced may be used in an automatic dishwasher.

IPC 8 full level
C25B 1/30 (2006.01); **C25B 15/08** (2006.01)

CPC (source: EP GB US)
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A61L 2/186 (2013.01 - EP US); **C11D 3/3947** (2013.01 - EP US); **C25B 1/30** (2013.01 - EP GB US); **C25B 15/02** (2013.01 - EP US);
C25B 15/08 (2013.01 - EP GB US); **A47L 2601/06** (2013.01 - EP US); **A61L 2202/11** (2013.01 - EP US)

Citation (examination)
US 2003213704 A1 20031120 - SCHEPER WILLIAM MICHAEL [US], et al

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