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(54) **PROCESS FOR PREPARING HYDROGEN PEROXIDE FROM THE ELEMENTS**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a process for the preparation of hydrogen peroxide from oxygen or oxygen-delivering substances and hydrogen or hydrogen-delivering substances in the presence of at least one catalyst containing a metal-organic framework material, wherein said framework material comprises pores and a metal ion and an at least bidentate organic compound, said bidentate organic compound being coordinately bound to the metal ion. The invention further relates to a novel material consisting of said metal organic framework material wherein the material is brought in contact with at least one additional metal.

11 Claims, No Drawings