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Abstract

5 Use in cosmetic lotions and other applications a dispersion solution of super-fine
titanium particles obtained by burning a mixture gas of oxygen and hydrogen in high-
pressure water and using the combustion gas to melt titanium metal and thus causing super-
fine titanium particles to micro-disperse in water, wherein such production process is
implemented using an apparatus for producing a cosmetic lotion in which super-fine
titanium particles are micro-dispersed that comprises a pressure-resistant container equipped
10 with a high-pressure water tank, an injection nozzle for mixture gas of oxygen and
hydrogen, a titanium metal bar, an ignition device and a combustion chamber.

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