



## **“Liquid compositions based on useful surfactants to concoct solid perovskite films for solar panels fabrication”**

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### **Technology description**

The technology consists of compositions based of ionic surfactants with phisycal, chemical and psychochemical properties that favor the formation of perovskite films obtained by the compositions, they're homogeneous as much as in optical density as in thickness. The length of the fotovoltaic and optical performance its higher than 180 days. The conversion efficiency of the average potency of the fotovoltaic perovskite cells it's approximately 18% in small areas. Any method can be applied ( deposit by rotation, bar deposit, or ink print) for the formation of the films based on this compositions under air atmosphere, without the need of a nitrogen chamber.

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