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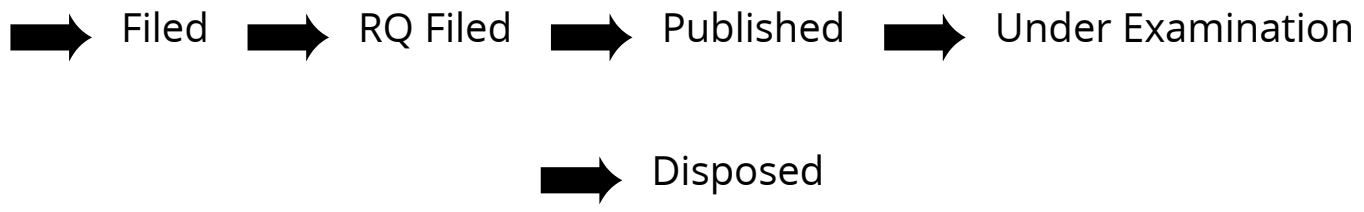
#### Application Details

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TITLE OF INVENTION	A PROCESS OF PREPARATION OF TOPICAL SKIN LOTION AND PRODUCT THEREOF
FIELD OF INVENTION	CHEMICAL
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(57) Abstract :

TITLE: A PROCESS OF PREPARATION OF TOPICAL SKIN LOTION AND PRODUCT THEREOF APPLICANT: AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN ABSTRACT The present invention discloses a process of preparation of topical skin lotion exhibiting appreciable moisturizing ability, sun protection factor and a skin lightening effects. The process of the present invention comprises of: a. characterized in preparation of nail mediated gold nano-particles comprises of: i. adding nails to water and sonicated in Ultrasonic cleaner followed by filtration to obtain capping agent (HN28) in which residue is discarded; ii. treating auric chloride with the capping agent (HN28) and allowed to place under sunlight for solar irradiation to form nail mediated gold nano-particles in which change in colour from colourless to pale pink indicates formation of gold nano-particles; b. preparation of oil phase comprises of mixing Paraffin wax and emulsifying wax followed by heating; c. preparation of aqueous phase comprise of mixing Glycerol, nail mediated gold nano-particles, Cetyl alcohol, TiO<sub>2</sub> followed by heating; d. adding the aqueous phase of step (c) to the said oil phase of step (b) drop wise with continuous stirring and heating to form the topical skin lotion. The present invention also discloses a topical skin lotion exhibiting appreciable moisturizing ability, sun protection factor and a skin lightening effects prepared by the process as described above.

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