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(54) Title of the invention : DEVELOPMENT OF ALOE VERA QUANTUM DOTS AS LOW DOSAGE HYDRATE INHIBITOR FOR PETROLEUM INDUSTRIES

(51) International classification	:A61K0036886000, A61K0036896000, A61K0031715000, C09K0008524000, A61K0008979400	(71)Name of Applicant : 1)INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES) DHANBAD Address of Applicant :Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand-826004,India 2)Royal Castor Products Limited
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(57) Abstract :

This invention relates generally to a method for development of aloe vera quantum dots as low dosage hydrate inhibitor. The method comprises preparing a sample of aloe vera extract by dissolving the aloe vera extract in distilled water, heating the sample in an autoclave and then cooling of the sample up to a room temperature. Further, the method comprises centrifuging the sample to remove particles having larger size to obtain the aloe vera quantum dots.

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