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(54) Title of the invention : AN INTERPENETRATING POLYMER NETWORK HYDROGEL COMPOSITION AND METHODS OF PREPARATION THEREOF

<p>(51) International classification :A61K0047320000, H01M0004587000, C09D0005080000, A61K0031600000, C08F0220060000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. -----</p> <p>2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)KUMAR, Ashok Address of Applicant :Department of Pharmaceutical Sciences, Guru Jambheshwar University, Hisar, Haryana - 125001, India. -- -----</p> <p>2)AHUJA, Munish Address of Applicant :Department of Pharmaceutical Sciences, Guru Jambheshwar University, Hisar, Haryana - 125001, India. -- -----</p> <p>3)SINDHU, Rakesh K Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----</p>
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(57) Abstract :

The present disclosure relates generally to compositions for interpenetrating polymer network. More specifically, the disclosure is directed to an interpenetrating polymer network hydrogel composition comprising Gum kondagogu and polyacrylic acid. The present disclosure also provides a method of preparation of the interpenetrating polymer network hydrogel. The interpenetrating polymer network hydrogel composition of the present disclosure is a good carrier for pharmaceutical actives and demonstrates good swellability and drug release characteristics.

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