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(71)Name of Applicant :

**1)Chitkara University**

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

**2)Chitkara Innovation Incubator Foundation**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

**1)Dr. Thakur Gurjeet Singh**

Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

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**2)Ms. Akanksha Kumari**

Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

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**3)Dr. Loveleen Kaur**

Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

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(57) Abstract :

ABSTRACT A sublingual spray formulation is described, comprising Clonidine and Amlodipine as active pharmaceutical ingredients, dissolved in a solvent system with polyvinyl alcohol as a solubilizer. The formulation includes water, citric acid as a pH regulator, and a bioadhesive agent, designed to bypass first-pass metabolism for rapid systemic delivery and improved bioavailability. The combination of Clonidine and Amlodipine provides synergistic therapeutic effects, enhancing efficacy and reducing side effects for better blood pressure control. The formulation may also include flavoring agents and preservatives, ensuring stability and patient compliance. Reference Fig 1

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