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(54) Title of the invention : ACRYLIC COPOLYMER AND ORGANIC ACID BASED PRESS COATED PULSATILE TABLET OF NIFEDIPINE

(51) International classification	:A61K0009280000, A61K0009200000, A61K0047220000, A61K0009240000, A61K0031440000	(71)Name of Applicant : 1)Dr. Rajesh S. Jagtap Address of Applicant :Annasaheb Dange College of B. Pharmacy, Ashta, Tal Walwa, Dist. Sangli, Maharashtra, India 416301 Maharashtra India
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(57) Abstract :

The present invention relates to successful preparation of press-coated pulsatile drug delivery tablet of poorly soluble antihypertensive drug nifedipine with an aim to delay the drug release by several hours (e.g. to treat the heart diseases which follows a circadian rhythm). The use of novel solubilizer Sepitrap 4000 in core tablet successfully evaluated to overcome the solubility problem of nifedipine and which is useful for complete drug release after lag time in intestinal fluid. The said formulation is to be taken around 22:00 pm after dinner which will provide an ideal therapeutic regimen with enhanced patient compliance.

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