

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141024278 A

(19) INDIA

(22) Date of filing of Application :31/05/2021

(43) Publication Date : 12/11/2021

(54) Title of the invention : A COMPOSITION OF PAPAIN ENZYME FOR NUTRACEUTICAL/ THERAPEUTIC PURPOSE & A PROCESS FOR FORMULATING THE SAME

(51) International classification :A61K0009500000, A61K0009510000, A61K0009160000, A61K0009107000, A61K0009280000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)JSS College of Pharmacy, Ooty - JSS Academy of Higher Education & Research, Mysuru

Address of Applicant :Rocklands, Post Box No.20

Udhagamandalam Tamil Nadu 643 001, India -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Chandan C

Address of Applicant :JSS College of Pharmacy, Ooty-JSS

Academy of Higher Education & Research, Mysuru, Rocklands.

Post Box No.20, Udhagamandalam, Tamil Nadu 643 001, India --

2)Jeyaprakash Mari Raju

Address of Applicant :JSS College of Pharmacy, Ooty-JSS

Academy of Higher Education & Research, Mysuru, Rocklands.

Post Box No.20, Udhagamandalam, Tamil Nadu 643 001, India --

3)Jawahar Natarajan

Address of Applicant :JSS College of Pharmacy, Ooty-JSS

Academy of Higher Education & Research, Mysuru, Rocklands.

Post Box No.20, Udhagamandalam, Tamil Nadu 643 001, India --

4)Phani Kumar Garlapati

Address of Applicant :Defence Research & Development

Organisation, DFRL, Ministry of Defence, Government of India,

Mysuru, Karnataka, India 570 011 -----

5)Sushma B V

Address of Applicant :Faculty of Life Sciences, JSS Academy of

Higher Education & Research Shivarathreeswara Nagara,

Bannimantap, Mysuru, Karnataka 570 015, India -----

(57) Abstract :

Submicron particulate Formulation of Papain using pH-sensitive polymers is revealed by using Nanostructured Lipid Carriers (NLC) nanoparticles with enteric coating which allow pH-dependent site-specific release of the combined nutraceutical from the tablet formulation of NLC preparation by Solvent evaporation technique and Enteric coating by Double-emulsion evaporation technique and in that way which helps to increase patient obedience and make the dosage for cost effective

No. of Pages : 13 No. of Claims : 5