(19) INDIA

(22) Date of filing of Application :23/06/2022

(43) Publication Date: 22/07/2022

1)Dr. Swarupananda Mukherjee

Kolkata, West Bengal -----

(71)Name of Applicant:

2)Raikumar Ghosh 3)Dr. Dinesh Kumar 4)Kamakshi Verma 5)Dr. Sumit Das 6)Mr. Bhargab Deka 7)Alakesh Bharali Name of Applicant : NA Address of Applicant : NA

## (54) Title of the invention: A PHARMACEUTICAL COMBINATION OF ANTIMICROBIALS CONSISTING OF ANTIBACTERIAL AND ANTIFUNGAL AGENT FOR DENTAL TREATMENT

:A61C0005400000, A61C0005500000, (51) International A61C0019060000, A61Q0017000000, classification A61K0006520000

:NA

(86) International :NA Application No :NA Filing Date (87) International : NA Publication No (61) Patent of Addition :NA to Application Number :NA Filing Date (62) Divisional to :NA Application Number

Filing Date

(72)Name of Inventor: 1)Dr. Swarupananda Mukherjee

Address of Applicant: Assistant Professor, Pharmaceutical Technology, NSHM Knowledge Campus, Kolkata - Group of Institutions, Kolkata, West Bengal -----

Address of Applicant : Assistant Professor, Pharmaceutical Technology, NSHM Knowledge Campus, Kolkata - Group of Institutions,

2)Rajkumar Ghosh

Address of Applicant :Student, NSHM Knowledge Campus, Kolkata -Group of Institutions, Kolkata, West Bengal -----

3)Dr. Dinesh Kumar

Address of Applicant :Research & Development, Haridwar -----

4)Kamakshi Verma

Address of Applicant : Assistant Professor, Pharmaceutical Chemistry, SRM, Modinagar college of Pharmacy, Uttar Pradesh -------

5)Dr. Sumit Das

Address of Applicant :Designation Principal, Regional college of pharmaceutical sciences, Patarkuchi Lane, Sonapur, Guwahati, Assam ----

6)Mr. Bhargab Deka

Address of Applicant: Assistant Professor, Department of Pharmacology, Girijananda Chowdhury Institute of Pharmaceutical Sciences,

Hathkhowapara, Azara, Guwahati ------ ------

7) Alakesh Bharali

Address of Applicant : Assistant Professor, Department of Pharmaceutics, Girijananda Chowdhury Institute of Pharmaceutical Science, Guwahati, Assam - 781017 -----

## (57) Abstract:

The present invention is relates to a pharmaceutical combination of antimicrobials consisting of antibacterial and antifungal agent for dental treatment. It is related to a unique combination of antimicrobials comprising of antibacterial and antifungal agent which are very specific against the pathogenic endodontic micro flora which are exclusively responsible for infections of root canal system. The quantity administered each time during the treatment cannot be determined as it depends on the volume of the root canal system. It varies in each tooth as the volume of the root canal system of the teeth varies in individual tooth. However, grossly it may range from 0.6-0.9 ml. The effects of the formulation were seen immediately after insertion.

No. of Pages: 14 No. of Claims: 3