## पेटेंट कार्यालय शासकीय जर्नल

# OFFICIAL JOURNAL OF THE PATENT OFFICE

निर्गमन सं. 40/2022 ISSUE NO. 40/2022

शुक्रवार FRIDAY दिनांकः 07/10/2022

DATE: 07/10/2022

## पेटेंट कार्यालय का एक प्रकाशन PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202241055113 A

(19) INDIA

(22) Date of filing of Application :26/09/2022

(43) Publication Date: 07/10/2022

### (54) Title of the invention: MACHINE LEARNING BASED APPROACH TO COMPARE THE IMAGES OF CEPHALOMETRIC RADIOGRAPHY FOR ANALYSIS OF TOOTH STRUCTURE AND SKELETONS

:G06T0007000000, A61B0006140000, (51) International A61B0006000000, A61C0007000000, classification

G06N0020000000

(86) International :PCT// Application No :01/01/1900 Filing Date

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

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

1)Dr. BHAGYALAKSHMI A

Address of Applicant : READER, DEPT OF

ORTHODONTICS, JSS DENTAL COLLEGE & HOSPITAL, JSS AHER, MYSORE- 570015 MYSORE ------

Name of Applicant: NA Address of Applicant: NA (72) Name of Inventor:

(71)Name of Applicant:

1)Dr. BHAGYALAKSHMI A

Address of Applicant : READER, DEPT OF ORTHODONTICS, JSS DENTAL COLLEGE & HOSPITAL, JSS AHER, MYSORE-

570015 MYSORE -----

#### (57) Abstract:

Machine learning based approach to compare the images of cephalometric radiography for analysis of tooth structure and skeletons is the proposed invention. The proposed invention focuses on capturing the tooth structures using cephalometric radiography techniques. The invention aims at accurate diagnosis of the problem through algorithms of machine learning. The tooth structure and orthodontic skeleton is considered for the study to get efficient results.

No. of Pages: 11 No. of Claims: 5