

(54) Title of the invention : PROPOLIS GEL AS AN INTRACANAL MEDICAMENT IN ENDODONTIC TREATMENT OF PERMANENT TEETH

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>:A61K</p> <p>35/00</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>: NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr.NEHA S.DHADED</p> <p style="padding-left: 20px;">Address of Applicant :DEPARTMENT OF CONSERVATIVE DENTISTRY & ENDODONTICS, KLE VISHWANATH KATTI, INSTITUTE OF DENTAL SCIENCES, KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH, NEHRU NAGAR, BELAGAVI - 590 010, KARNATAKA, INDIA. Karnataka India</p> <p>2)Dr.KSHIPRA TAMHANKAR</p> <p>3)Dr.PREETI K. DODWAD</p> <p>4)U.B BOLMAL</p> <p>5)SHARVARI TAMHANKAR</p> <p>6)Dr. SUNIL V.DHADED</p> <p>(72)Name of Inventor :</p> <p>1)Dr.NEHA S.DHADED</p> <p>2)Dr.KSHIPRA TAMHANKAR</p> <p>3)Dr.PREETI K. DODWAD</p> <p>4)U.B BOLMAL</p> <p>5)SHARVARI TAMHANKAR</p> <p>6)Dr. SUNIL V.DHADED</p>
---	--	--

(57) Abstract :

The present invention relates to the composition as an intracanal medicament in endodontic treatment of permanent teeth. It particularly relates to gel composition as an intracanal medicament in endodontic treatment of permanent teeth. More specifically, it relates to propolis gel as an intracanal medicament in endodontic treatment of permanent teeth. The invention also includes the process for preparation of propolis gel as an intracanal medicament in endodontic treatment of permanent teeth. Propolis powder was procured and authenticated after which it was subjected to MIC and MBC procedures. 25% propolis gel was prepared according to the MBC values as (a) preparation of carboxymethylcellulose solution (b) addition of effective amount of propolis powder to above prepared carboxymethylcellulose solution and (c) then addition of other suitable excipients to the above mixture to form the gel composition. A cytotoxicity test was done which concluded that propolis had a minimal cytotoxicity. In vitro tests were done which concluded that 25% propolis gel had a good antibacterial activity. In vivo test confirmed our in vivo results suggesting that propolis could be used as an intracanal medicament in endodontic treatment of permanent teeth.

No. of Pages : 30 No. of Claims : 10