(12) PATENT APPLICATION PUBLICATION

## (19) INDIA

(22) Date of filing of Application :31/03/2024

(54) Title of the invention : MICROSTRIP ANTENNA SYSTEM		
<ul> <li>(51) International classification</li> <li>(86) International Application No Filing Date</li> <li>(87) International Publication No</li> <li>(61) Patent of Addition to Application Number Filing Date</li> <li>(62) Divisional to Application Number Filing Date</li> </ul>	:H01Q1/38, H01Q1/48, H01Q1/52, H01Q13/10, H01Q9/04 :NA :NA :NA :NA :NA :NA :NA :NA	<ul> <li>(71)Name of Applicant : <ul> <li>1)Chitkara University</li> <li>Address of Applicant :Chitkara University, Chandigarh-Patiala</li> <li>National Highway, Village Jhansla, Rajpura, Punjab - 140401,</li> <li>India Rajpura</li></ul></li></ul>

## (57) Abstract :

ABSTRACT The present disclosure discloses a microstrip antenna system (102) comprising a rectangular patch antenna (104) comprising a substrate (106), a radiating element (108) formed on said substrate (106), a ground plane (110), a square slot (108) etched on said radiating element and an inverse L-shaped strip attached to said ground plane (110) to improve isolation between said radiating element and said ground plane. FIG. 1

No. of Pages : 18 No. of Claims : 10