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(86) International Application No	:NA	2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA
Filing Date	:NA	(72)Name of Inventor :
(87) International Publication No	: NA	1)Amanpreet Kaur Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----
(61) Patent of Addition to Application Number	:NA	2)Vaneeta Bhardwaj Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----
Filing Date	:NA	3)K.R. Ramkumar Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----
(62) Divisional to Application Number	:NA	4)Sudesh Mittal Address of Applicant :Chitkara University Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----
Filing Date	:NA	5)Bhupendra Singh Address of Applicant :CAIR, DRDO, Bangalore Bangalore -----

(57) Abstract :

ABSTRACT Wireless communication system between FPGA and smartphone using PMOD Bluetooth The present disclosure introduces a wireless communication system between FPGA and smartphone using PMOD Bluetooth, revolutionizing data exchange in electronic applications. It comprises of Field-Programmable Gate Array (FPGA) 102, Bluetooth module 104, FPGA Board 106, Vivado Design Suite 108, Vitis IDE 110, UART protocol design 112, microprocessor 114, USB-UART bridge 116, android application 118 and LED indicator 120. The system employs a FPGA board hosting a processor, facilitating seamless integration and efficient parallel processing. REFERENCE FIG 1

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