(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(51) International

Filing Date

Application Number

Filing Date

Filing Date

Number

(86) International Application

(87) International Publication

(62) Divisional to Application :NA

(61) Patent of Addition to

classification

(22) Date of filing of Application :21/04/2023

(21) Application No.202311029178 A

(43) Publication Date: 26/05/2023

## (54) Title of the invention: RIFTONGLE-A USB ADAPTER

:NA

: NA

:NA

:NA

 $\cdot NA$ 

:G06F 012600, G06F 133800, H01R

310600, H02J 070000, H04R 050400

(71)Name of Applicant: 1)Chitkara University

Address of Applicant: Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala --

2)Chitkara Innovation Incubator Foundation

Name of Applicant: NA Address of Applicant : NA (72)Name of Inventor: 1)SHARMA, Bhanu

Address of Applicant: Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----

2)AKSHIV

Address of Applicant: Village Lassa Post Office, Dadi Guns, Shekhal (111), Shimla - 171207, Himachal Pradesh, India. Shimla -----

3)SHARMA, Harbani

Address of Applicant :Department of Computer Science Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

4)ANGRA, Sheena

Address of Applicant : Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----

5)GOYAL, Nitin

Address of Applicant: Department of Computer Science and Engineering and Technology, Central University of Haryana, Mahendergargh -123031, Haryana, India. Mahendergarh ------

6)SHARMA, Deepika

Address of Applicant: Computer Applications, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab -140401, India. Patiala -

7)GULATI, Jatin

Address of Applicant :Department of Computer Science Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ---------

8)SINGH, Narinder Pal

Address of Applicant :27 FF, Divine Eco City, Sector 115, Mohali -140301, Puniab, India, Mohali ------

## (57) Abstract:

The disclosed embodiments illustrate a multifunctional portable adapter (100) for connecting a computing device and an iOS device. The adapter includes a housing (102), a USB port (104) for connecting to the computing device or iOS device, one or more ports for receiving power, a headphone jack for connecting headphones, and a display device (110) that displays battery status, time, date, and day information upon connection. The adapter also includes a combination of type-C and lightning ports and is compatible with Android, Mac, and Windows devices. The display device is an AMOLED display. Additionally, the adapter includes a biometric sensor for unlocking the computing device.

No. of Pages: 18 No. of Claims: 8