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(54) Title of the invention : A CIRCUIT AND A METHOD FOR DIRECT CURRENT- DIRECT CURRENT (DC-DC) CONVERSION

(51) International classification	:H02M 1/00	(71)**Name of Applicant :**
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(31) Priority Document No	:NA	Address of Applicant :ASSOCIATE PROFESSOR, DEPT.OF
(32) Priority Date	:NA	ELECTRICAL AND ELECTRONICS ENGINEERING,
(33) Name of priority country	:NA	GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING
(86) International Application No	:NA	FOR WOMEN, VISAKHAPATNAM, ANDHRA PRADESH,
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(87) International Publication No	: NA	**2)MUDADLA DHANANJAYA**
(61) Patent of Addition to Application Number	:NA	(72)**Name of Inventor :**
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(62) Divisional to Application Number	:NA	**2)MUDADLA DHANANJAYA**
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(57) Abstract :
Circuit and method for direct current- direct current (DC-DC) conversion are provided. The method includes turning on a first switch and a third switch simultaneously by a battery or a power supply for magnetizing a first inductor and a second inductor by the power source and simultaneously discharging a first capacitor via a first resistor of a first shunt RC pair and simultaneously energizing a second capacitor and a second resistor; turning on a second switch and a fourth switch by the battery of the power supply and simultaneously turning off the first switch and the third switch and demagnetizing the first inductor and the second inductor for transmitting the energy stored in the first inductor and the second inductor to the first capacitor and the second capacitor via the first resistor and a second resistors of the first shunt RC pair and a second shunt RC pair. FIG. 8

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(54) Title of the invention : AI BASED METHOD AND APPARATUS FOR STAMPING DRIVING ASSISTANCE BASED SIGNS ON A ROAD

(51) International classification	:G05D0001000000, G05D0001020000, G06N0003080000, G08G0001096700, G06N0003040000	(71)**Name of Applicant :**
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(33) Name of priority country	:NA	5)**Dr. Dwiti Krishna Bebarta**
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(61) Patent of Addition to Application Number Filing Date	:NA :NA	4)**Dr. Rabinarayan Satpathy** 5)**Dr. Dwiti Krishna Bebarta**
(62) Divisional to Application Number Filing Date	:NA :NA	

(57) Abstract :
An artificial intelligence based apparatus and method for stamping driving assistance based signs on a road is provided. The apparatus and method includes controlling operation of a gun to print a plurality of pre-stored signs to be printed on the road based on artificial intelligence. The AI based apparatus continually learns the road conditions and road surface parameters details so that when the gun operates autonomously it can imitate the same movements executed by the gun in the past to select the at least one sign from a plurality of pre-stored signs to be printed on the road based the surface area of the road, compute the dimensional parameters of surface, presence of cracks, bumps on the road. The artificial intelligence-electronic control unit can include current mobile technology, fuzzy logic and neural networks that enable the drone to learn automatic selection of the type of sign to be printed based on the road conditions.

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(12) PATENT APPLICATION PUBLICATION

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(54) Title of the invention : REMINDER DATA SEGREGATION SYSTEM FOR SMART WEARABLE DEVICE

(51) International classification :G06F0001320600,G16H0040630000,H04N0021466000,G08B0021020000,G16H0050200000 (31) Priority Document No :NA (32) Priority Date :NA (33) Name of priority country :NA (86) International Application No :NA Filing Date :NA (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)**Name of Applicant** : 1)**Jayavani Vankara** Address of Applicant :Dr. Lankapalli Bullayya College of Engineering for Women, Rama Talkies Road, Old TB Hospital Area, Resapuvanipalem, Dwaraka Nagar, Visakhapatnam, Andhra Pradesh-530013, India Andhra Pradesh India 2)**Dr.N.Sharmili** 3)**T. Sunitha** 4)**Anusha Pureti** 5)**V. Siva Parvathi** (72)**Name of Inventor :** 1)**Jayavani Vankara** 2)**Dr.N.Sharmili** 3)**T. Sunitha** 4)**Anusha Pureti** 5)**V. Siva Parvathi**

(57) Abstract :
ABSTRACT: Title: Reminder Data Segregation System for Smart Wearable Device The present disclosure proposes a reminder data segregation system 100 for smart wearable device that accumulates and segregates all the data into plurality of classified groups like work, family, general, meeting and thereof based on either priority or kind of data. The reminder data segregation system 100 comprises a voice recognition means 101, a processing means 102, a synchronizing means 103, a reminder generating means 104, a segregation means 105, a notification means 106, a positioning means 107, a device coordinating means 108, and a storage means 109. The system 100 segregates all the data into particular classified groups based on either priority or kind of reminder being added using deep learning methods and customized at any time. The system 100 allows the device to coordinate with nearby smart electronic devices to notify or alert the user customizable reminder message at user customizable time i.e., data list according to the time period requested by user. The system 100 aids to alert caution to user in prior if any time conflicts persists among all the categorized groups in planning.

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