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Patents Filed

AY 2020-2021

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141001520 A

(19) INDIA

(22) Date of filing of Application :13/01/2021

(43) Publication Date : 22/01/2021

(54) Title of the invention : DESIGN AND DEVELOPMENT OF AN AUTOMATED RUNTIME VEHICLE TYRE MONITORING UNIT

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(51) International classification

:G06F
11/34

(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

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(57) Abstract :

Abstract The management of optimum pneumatic pressure is an important aspect that paves the way for enhanced vehicle control and thereby facilitates protection for automobiles and people. National Highway Traffic Safety Administration (NHTSA) estimates say annually 660 deaths and 33,000 injuries caused by irregular pneumatic pull-out incidents. The pressure of the pneumatic is assessed and controlled to ensure pneumatic protection and therefore vehicle stability. The readings are sent to the controller and on the basis of the sensor rating, the ignition required is tested and the ignition is turned off and the vehicle is safely stopped in case of the strain of the pneumatic pulling beyond the specified limits. The key purpose of such a scheme is to improve wisdom and reduce the amount of injuries caused by inappropriately inflated tyres, decreasing the difficulty of travel. This increases the stability of the car, the tyre reliability and the fuel efficiency of the car.

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 11/2020
ISSUE NO. 11/2020

शुक्रवार
FRIDAY

दिनांक: 13/03/2020
DATE: 13/03/2020

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application
No.202041005848 A

(19) INDIA

(22) Date of filing of Application :11/02/2020

(43) Publication Date :
13/03/2020

(54) Title of the invention : BIOWASTE COMPOSTING MACHINE

(51)
International :C05F0017020000,B22F0003105000,B29C0064153000,G01G0019393000,A61G0007020000
classification
(31) Priority
Document :NA
No
(32) Priority :NA
Date
(33) Name
of priority :NA
country
(86)
International
Application :NA
No :NA
Filing
Date
(87)
International
Publication : NA
No
(61) Patent
of Addition
to
Application :NA
Number :NA
Filing
Date
(62)
Divisional to
Application :NA
Number :NA
Filing
Date

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(57) Abstract :

The present invention relates to a machine and method for processing fertilizers using automated methods. A bio waste composting machine (1) comprises of a shredding unit (11), a powder storage unit (21), a flow control unit (31), a control unit (41), a mixture storage unit (51) and a machine frame (71) with body assembly (81) wherein said composting machine (1) essentially comprises of a plurality of height sensing means (23, 56, 61) and an alerting means (24, 62) disposed on said storage unit (21, 51), a plurality of weighing means (58) disposed on said storage unit (51).

No. of Pages : 26 No. of Claims : 10



(<http://ipindia.nic.in/index.htm>)



Patent Search

Invention Title AN EFFECTIVE DATA MINING TECHNIQUE FOR AUTOMATED VOICE RECOGNITION OF PATIENTS
 Publication Number 37/2020
 Publication Date 11/09/2020
 Publication Type INA
 Application Number 202021037052
 Application Filing Date 28/08/2020
 Priority Number
 Priority Country
 Priority Date
 Field Of Invention COMPUTER SCIENCE
 Classification (IPC) G06Q0050220000, G10L0015140000, G16H0050200000, G16H0010500000, G16H0090700000
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Abstract

Voice is one of the major communication signals that need to be interfaced with computational systems for various purposes, especially in medical transcription centres. The voice signal must be analysed to acquire a desired visualization. In this invention, speech recognition is initially done to obtain voice signal to process Gaussian mixture extracted and sampled. It is then segmented, and shape determined by Mel-frequency cepstral coefficients. This speech is decoded to text. Individual data, associates any related pattern, identifying any anomalies, grouping similar data, identifying relationship and make predictions. The results are end which eliminates manual complications of maintaining patients record in medical centres.