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### Patent Search

Invention Title	A SYSTEM AND METHOD FOR CONVERTING, PROCESSING AND DELIVERING OF TEXT INPUT INTO AUDIO OUTPUT
Publication Number	08/2022
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Application Number	202241007576
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Priority Country	
Priority Date	
Field Of Invention	ELECTRONICS
Classification (IPC)	G10L0013080000, G10L0013000000, G10L0013040000, G06F0040205000, G06F0016903000

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#### Abstract:

ABSTRACT A SYSTEM AND METHOD FOR CONVERTING, PROCESSING AND DELIVERING OF TEXT INPUT INTO AUDIO OUTPUT Aspects of present disclosure relates to a system and method for converting, processing and delivering a text input as audio output ensuring that the textual content is maintained in the output audio as well. The invention discloses an improved text-to-audio speech processing that converts text from an electronic textual input into an audio output that includes speech associated with the text as well as audio contextual cues. The method for converting text to audio speech, an embodiment of the invention includes at least: selecting a document or textual input to be converted to audio; parsing the selected document into constituent components; converting text in the selected document to audio in correspondence to the digital voice library; and creating an audio file based on the converted text. This provides improved text-to-audio processing that can present contextual information to listeners.

#### Complete Specification

#### Claims: I/We Claim:

1. A system for converting, processing and delivering of text input into audio output, wherein the system comprising;
  - an electronic device with a processor and memory storing the input text document for execution by the processor [102];
  - at least one look-up logic module [104] for parsing a document to identify the plurality of components in the document;
  - a digital voice library [106] for corresponding each component to at least one available voice recording and converting the text to audio;
  - a sentence construction algorithm for arranging the components to form sentences; and
  - a voice output device [108] for announcing the input text into desired voice output after conversion.
2. The system for converting, processing and delivering of text input into audio output as claimed in Claim 1, wherein the electronic device constitutes a non-transitory computer readable storage medium with a processor and storage for parsing a document into plurality of documents.
3. The system for converting, processing and delivering of text input into audio output as claimed in Claim 1, wherein the look-up module segregates the textual input into speech components so as to correspond to various databases such as abbreviation database, phrase database, word database, new word log.
4. The system for converting, processing and delivering of text input into audio output as claimed in Claim 1, wherein the digital voice library constitutes a plurality of voice recordings and speech items.
5. A method for converting, processing and delivering of text input into audio output, wherein the method comprising;
  - an electronic device with a processor and memory storing the input text for execution by the processor;

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#### Application Details

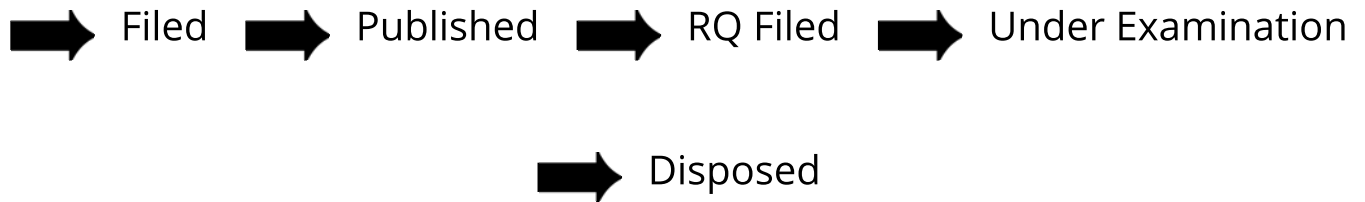
APPLICATION NUMBER	202241007576
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	12/02/2022
APPLICANT NAME	1 . Dr. Nawroz Ramadan Khalil 2 . Dr. S. Vijayakumar 3 . Dr. Balachandran Vadivel 4 . Dr.T.M. Gnanasoundari 5 . Dr.B. Balakumar 6 . Dr. S. Balamurugan 7 . Dr. Shabina Fatima 8 . Dr.Y.Baby Kalpana 9 . Dr. Christine Ann Thomas 10 . Ms. Shireen Jamal Mohammed 11 . Ms. S. Kalaiyarasi
TITLE OF INVENTION	A SYSTEM AND METHOD FOR CONVERTING, PROCESSING AND DELIVERING OF TEXT INPUT INTO AUDIO OUTPUT
FIELD OF INVENTION	ELECTRONICS
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E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/02/2022

Application Status

APPLICATION STATUS

**Awaiting Request for Examination**

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<b>FORM 1</b>				<b>(FOR OFFICE USE ONLY)</b>	
<b>THE PATENTS ACT 1970</b> <b>(39 of 1970)</b> <b>&amp;</b> <b>The Patents rules, 2003</b> <b>APPLICATION FOR GRANT OF PATENT</b> <b>[See section 7, 54 &amp; 135 and rule 20 (1)]</b>				<b>Application No:</b> <b>Filing Date:</b> <b>Amount of Fee Paid:</b> <b>CBR No:</b> <b>Signature:</b>	
<b>1. APPLICANT'S REFERENCE / IDENTIFICATION</b>					
<b>NO. (AS ALLOTTED BY OFFICE)</b>					
<b>2. TYPE OF APPLICATION [Please tick (√) at the appropriate category]</b>					
Ordinary (√)		Convention ( )		PCT-NP ( )	
Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )	Divisional ( )	Patent of Addition ( )
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**3B. CATEGORY OF APPLICANT** [Please tick (√) at the appropriate category]

Natural Person (√)	Other than Natural Person		
	Small Entity ( )	Start up ( )	Others ( )

**4. INVENTOR (S)** [Please tick (√) at the appropriate category]

Are all the inventor(s) same as the applicant(s) named above?	Yes (√)	NO ( )
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If "No", furnish the details of the inventor(s)

Name	Nationality	Country of Residence	Address

**5. TITLE OF THE INVENTION**

**A SYSTEM AND METHOD FOR CONVERTING, PROCESSING AND DELIVERING OF TEXT  
INPUT INTO AUDIO OUTPUT**

<b>6. AUTHORISED REGISTERED PATENT AGENT(S)</b>		IN/PA No.	<b>3637</b>			
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<b>8. IN CASE OF APPLICATION CLAIMING PRIORITY OF APPLICATION FILED IN CONVENTION COUNTRY, PARTICULARS OF CONVENTION APPLICATION</b>						
Country	Application Number	Filing date	Name of the applicant	Title of the invention	IPC (as classified in the convention country)	
-NA-	-NA-	-NA-	-NA-	-NA-	-NA-	
<b>9. IN CASE OF PCT NATIONAL PHASE APPLICATION, PARTICULARS OF INTERNATIONAL APPLICATION FILED UNDER PATENT CO-OPERATION TREATY (PCT)</b>						
International application number			International filing date			
-NA-			-NA-			
<b>10. IN CASE OF DIVISIONAL APPLICATION FILED UNDER SECTION 16, PARTICULARS OF ORIGINAL (FIRST) APPLICATION</b>						
Original (first) application No			Date of filing of original (first) application			
-NA-			-NA-			
<b>11. IN CASE OF PATENT OF ADDITION FILED UNDER SECTION 54, PARTICULARS OF MAIN APPLICATION OR PATENT</b>						
Main application/patent No.			Date of filing of main application			
-NA-			-NA-			
<b>12. DECLARATIONS:</b>						
<b>(i) Declaration by inventor (s)</b>  <b>(In case the applicant is an assignee:</b> the inventor(s) may sign herein below or the applicant may upload the assignment or enclose the assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period). I/We, the above-named inventor(s) is/are the true & first inventor(s) for this Invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.						

(a) Date: 12/02/2022

(b) Signature:

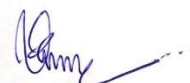
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Dr. Balachandran Vadivel



Dr. T.M. Gnanasoundari



Dr. B. Balakumar



Dr. S. Balamurugan



Dr. Shabina Fatima



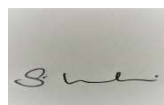
Dr. Y. Baby Kalpana



Dr. Christine Ann Thomas



Ms. Shireen Jamal Mohammed



Ms. S. Kalaiyarasi

**(ii) Declaration by the applicant(s) in the convention country**

**(In case the applicant in India is different than the applicant in the convention country:** the applicant in the convention country may sign herein below or applicant in India may upload the assignment from the applicant in the convention country or enclose the said assignment with this application for patent or send the assignment by post/electronic transmission duly authenticated within the prescribed period)

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date

(b) Signature(s) -----NA-----

(c) Name(s) of the signatory

**(ii) Declaration by the applicant:**

**I/We, the applicant hereby declares that:-**

- I am /we are in possession of the above-mentioned invention
- The ~~provisional~~/complete specification relating to the invention is filed with this application.
- ~~The invention as disclosed in the specification uses the biological material from India and the necessary permission from the competent authority shall be submitted by me/us before the grant~~



of patent to me/us.

- There is no lawful ground of objection to the grant of the patent to me/us.
- I am/we are the true & first inventor(s).
- I am/we are the assignee or legal representative of true & first inventor(s).
- ~~The application or each of the applications, particulars of which are given in Paragraph 8, was the first application in convention country/countries in respect of my/our invention(s).~~
- ~~I/We claim the priority from the above mentioned application(s) filed in convention country/countries and state that no application for protection in respect of the invention had been made in a convention country before that date by me/us or by any person from which I/We derive the title.~~
- ~~My/our application in India is based on international application under Patent Cooperation Treaty (PCT) as mentioned in Paragraph 9.~~
- ~~The application is divided out of my /our application particulars of which is given in Paragraph 10 and pray that this application may be treated as deemed to have been filed on DD/MM/YYYY under section 16 of the Act.~~
- ~~The said invention is an improvement in or modification of the invention particulars of which are given in Paragraph 11.~~

**(d) Following are the attachments with the application:**

(a) Form 2

Item	Detail	Fee	Remark
Complete specification	No. of pages: 14	<b>1, 600</b>	
No. of Claim(s)	No. of claims: 08 No. of pages: 02		
Abstract	No. of pages: 01		
Drawings	No. of drawings: 02 No. of Pages: 02		
Priority	No. of Priorities:		

# ~~In case of a complete specification, if the applicant desires to adopt the drawings filed with his provisional specification as the drawings or part of the drawings for the complete specification under rule 13(4), the number of such pages filed with the provisional specification are required to be mentioned here.~~

- (a) ~~Provisioanl specification (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~
- (b) ~~Sequence listing in electronic form~~
- (c) ~~Drawings (in conformation with the international application)/as amended before the International Preliminary Examination Authority (IPEA), as applicable (2 copies).~~
- (d) ~~Priority document(s) or a request to retrieve the priority document(s) from DAS (Digital Access Service) if the applicant had already requested the office of first filing to make the priority document(s) available to DAS.~~
- (e) ~~Translation of priority document/Specification/International Search Report/International Preliminary Report on Patentability.~~
- (f) Statement and Undertaking on Form 3
- (g) Declaration of Inventorship on Form 5

Total fee Rs. in Cash/ Banker's Cheque /Bank Draft bearing No.....  
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We hereby declare that to the best of my/our knowledge, information and belief the fact and matters slated herein are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this 17<sup>th</sup> day of December, 2021



Saurabh Kumar Jain  
(IN/PA-3637)  
Agent for Applicant

To,  
The Controller of Patents  
The Patent Office, At Delhi/Mumbai/Chennai/Kolkata, India.