

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311040313 A

(19) INDIA

(22) Date of filing of Application :13/06/2023

(43) Publication Date : 14/07/2023

(54) Title of the invention : SYSTEM AND METHOD TO READ CONTENTS OF A DIGITAL BOOK AND SUBMIT VOICE OUTPUT

<p>(51) International classification :G06F 011600, G06F 011800, G06F 030483, G06F 150200, G06Q 300200</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Bluest Mettle Solutions Private Limited</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)MISHRA, Rahul</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>2)PANDEY, Sakshi</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>3)KUMAR, Naveen</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present disclosure relates to a system (100) for converting the entire text of a digital book to a voice output for a user (114) to listen to. The digital book is either in a Portable Document Format (PDF) or an Electronic Publication (ePub) format and the entire text in all the chapters are extracted using an Optical Character Recognition (OCR) technique (104) that entails reading the entire text and converting it to binary data. The OCR technique (104) analyses the scanned text and cleans it to remove all unnecessary elements for an audio output such as full stops, commas, or any other punctuation marks. The next step is to segment the data into much smaller units so that the words are easier to process into an audio format. Multiple chapters and paragraphs are segmented (108) into smaller texts according to the required intonations and syllable pronunciation requirements in a number of languages or dialects as chosen by the user (114). Once the text is converted into an audio format, it can be easily played on any personal communication device (112) of the user (114).

No. of Pages : 30 No. of Claims : 10