

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re Application of:** Romriell et al.

**Serial No.:** 14/530,407

**Filed:** October 31, 2014

**For:** METHODS AND APPARATUSES  
RELATED TO TEXT CAPTION ERROR  
CORRECTION

**Confirmation No.:** 1048

**Examiner:** Gerald Gauthier

**Group Art Unit:** 2653

**Attorney Docket No.:** 2792.01-9354.2US

**VIA ELECTRONIC FILING**

**January 19, 2016**

**AMENDMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

The following amendments and remarks are filed in response to the Examiner's remarks in the Office Action of October 22, 2015, the three-month shortened statutory period for response to which expires on January 22, 2016.

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this paper.

**Remarks** start at page 9 of this paper.

**IN THE CLAIMS:**

Please note that all claims currently pending and under consideration in the referenced application are shown below. Claims 1, 2, 4 through 13, 16, 17, and 19 through 21 are amended herein. Claims 3, 9, 14, 15, and 18 are canceled. New claims 22 through 25 are added herein. Applicant notes that the original set of claims included two claims listed as being claim 3. This was identified by the Examiner in the Office Action, which stated that the claims were re-numbered as claims 1 through 21 for examination. As a result, the claims below refer to the claims as being re-numbered claims 1 through 21.

Please enter these claims as indicated. This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A communication system including:  
a first communication device specifically configured for use by a call assistant of a remote captioning service providing captioning assistance for a hearing-impaired user during a real-time communication session, comprising: session; and  
a second communication device specifically configured for use by the hearing-impaired user to provide captions displayed to the hearing-impaired user during the real-time communication session;  
wherein the first communication device comprises:  
a first memory device having a speech recognition program stored therein;  
a first input device configured to receive inputs from the captioning assistant;  
a first processor operably coupled with the first memory device and the first input device,  
the first processor configured to:  
receive a voice signal during a real-time communication session between at least two parties, the voice signal including at least audio from a far end user for the real-time communication session;

~~generate a text transcription of a~~ for the audio for the far-end user from the voice signal during a ~~the real-time communication session between at least two parties using the speech recognition program;~~  
transmit a first block of text of the text transcription to ~~a first~~ the second communication device for display by the second communication device during the real-time communication session; ~~and~~  
receive the inputs from the call assistant as edits to the text transcription; and  
transmit a replacement block of text with the edits to the second communication device ~~post-transmission~~ after transmission of the first block to the ~~first~~ second communication device has already occurred, the replacement block of text being an inline correction for the first block of text that was already received and displayed by the ~~first~~ second communication device; ~~device;~~  
and

wherein the second communication device comprises:

second electronic display; and

second processor operably coupled with the second electronic display, the second processor configured to:

receive the voice signal and during the real-time communication session;

receive the first block of text of the text transcription from the remote captioning service;

cause the first block of text of the text transcription to be displayed by the second electronic display as captions for the hearing-impaired user during the real-time communication session;

receive the replacement block of text from the remote captioning service after the first block of text has been received and displayed by the second electronic display; and

cause the replacement block of text to be displayed by the second electronic as an inline correction for the first block of text previously displayed by the second communication device.

2. (Currently Amended) The communication ~~device-system~~ of claim 1, wherein the first processor is configured to transmit the first block of text and the replacement block of text to the second communication device over a telephone network selected from the group consisting of the Public Switch Telephone Network and a VOIP network.

3. (Canceled).

4. (Currently Amended) The communication ~~device-system~~ of claim 1, wherein the replacement block of text is selected from the group consisting of at least one word, at least one sentence, and at least one line of text.

5. (Currently Amended) The communication ~~device-system~~ of claim 1, wherein the first processor is programmed to generate the text transcription using a speech recognition program with assistance of a call assistant revoicing words of the voice signal.

6. (Currently Amended) The communication ~~device-system~~ of claim 1, further comprising a first display device operably coupled with the first processor, the first display device configured to receive ~~and display~~ the text transcription from the first processor and display the text transcription visible for a ~~the~~ call assistant to review the text transcription for identifying errors.

7. (Currently Amended) ~~The communication device-system of claim 5, further comprising an~~ claim 1, wherein the first input device ~~operably coupled with the processor, the input device configured to receive inputs from the call assistant as edits to the text transcription such that the edits are included with the replacement block of text transmitted to the communication device.~~ includes a keyboard.

8. (Currently Amended) The communication ~~device-system~~ of ~~claim 6, claim 5~~, wherein the first processor is configured to insert the replacement block of text as an inline correction as displayed by the first display device associated with the call assistant responsive to the call assistant selecting and replacing text, inserting text, or deleting text.

9. (Canceled).

10. (Currently Amended) The communication device of ~~claim 8, claim 1~~, wherein the second processor is further configured to transmit the voice signal to the remote ~~relay captioning~~ service prior to the voice signal having the text transcription thereof being generated by the remote relay service.

11. (Currently Amended) The communication device of ~~claim 8, claim 1~~, wherein the second processor is configured to cause the second electronic display to provide a visual indication that the replacement block of text ~~is~~-has replaced the first block of text as displayed by the second electronic display.

12. (Currently Amended) The communication device of ~~claim 10, claim 11~~, wherein the visual indication includes the replacement block of text being displayed with highlighting.

13. (Currently Amended) A method of providing error correction in a caption-based communication system, the method comprising:

receiving, at a first communication device associated with a call assistant within a captioning service, a voice signal during a real-time communication session between a second communication device associated with a hearing-impaired user and a third communication device;

receiving, at a second communication device, the voice signal from the first communication device within the remote communication device during the real-time communication session;

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