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(54) Title: METHOD AND SYSTEM FOR ENABLING SPEAKER DE-IDENTIFICATION IN PUBLIC AUDIO DATA BY LEVERAGING ADVERSARIAL PERTURBATION

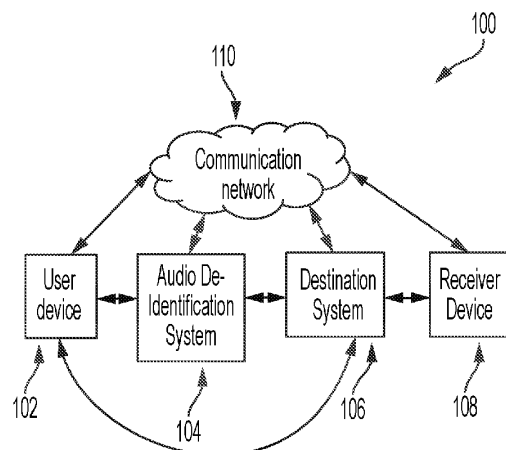


FIG. 1

(57) Abstract: Provided is a method for enabling speaker de-identification in public audio data by leveraging adversarial perturbation. The method may include receiving audio data associated with at least one voice sample. One or more of the voice sample(s) may be perturbed toward an edge of a decision boundary of at least one classifier model. One pitch of each voice sample may be perturbed to shift each voice sample across the decision boundary of the at least one classifier model to provide at least one de-identified voice sample. A media file with the at least one de-identified voice sample may be encoded. A system and computer program product are also disclosed.

[Continued on next page]

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