

Innovation-03

1. Brief Name of the Innovation

Automatic Speaker Recognition on VoIP communication

2. Contact Information

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3. What is the technology?

Identification of caller from voice biometric where a call is made from a VoIP platform like skype

4. What does the technology do?

Extracts speaker specific feature after appropriate normalization and matches with caller's voice biometric to authenticate the caller.

5. Explain the specific problem this technology has created to address or solve

Preventing unauthorized person who use alias of others.

6. Why is it better? How much better?

The called party gets the security to conduct a deal with caller party based on VoIP call. It is better in the sense that there is an increasing trend to transmit voice over data network where caller line identification may not work. Use of voice biometric can be useful. No competing product to compare.

7. Have you filed for Intellectual Property (IP)?Have Patent Cooperation Treaty (PCT) applications filed?

Not yet. The patent drafting work is in progress.

8. What is the development stage of this innovation

Final testing for lab. scale prototype is going on. Individual algorithms are already tested.

9. Have any prospective users or buyers shown interest in this technology?

Not yet.

10. Who do you consider competitors or competing technology?

All speech based solution providers.

11. List the milestones remaining to be accomplished to bring your technology to full development and ready for the intended end-user?

Testing of the prototype developed in the lab.

12. Broad Technical Specifications

Cannot disclose at this stage i.e. before filing of IP.

13. Diagram or Pictures if any

Cannot disclose at this stage i.e. before filing of IP.