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(57) Abstract :

The present invention discloses a smartphone call system designed to overcome language barriers and enable effective communication between callers and callees speaking different languages. The smartphone call system comprises an inbuilt sensor (102) responsible for promptly detecting the languages spoken by both the caller and the callee during incoming calls. This sensor employs advanced voice recognition technology to accurately identify the languages involved in the conversation. To facilitate real-time translation, a memory (104) is integrated into the system, housing language databases and algorithms essential for accurate and efficient language translation. The core component of the smartphone call system is a language translation engine (106), which operates in real-time and seamlessly translates the caller's language to the callee's language and vice versa. By leveraging cutting-edge technology and linguistic resources, the system transforms language-diverse conversations into effortless and inclusive interactions, enriching communication experiences for users in a multilingual landscape

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