

# High Fidelity, Self-Fitting Hearing Assistance Device And Method Thereof

Tech ID: 25186 / UC Case 2015-032-0

## TECHNOLOGY DESCRIPTION

UCSD inventors, in a collaboration with inventors from San Diego State University, have come up with a new hearing aid which offloads most of its computing to a wearable device such as a smartwatch, leveraging the large batteries and sophisticated on-board DSP on such smart mobile devices to execute complex signal processing algorithms that are not feasible in conventional hearing-aid architectures. This new system allows for multiple listening environments, field testing, self-fitting, remote assistance from experts, e.g. audiologists, etc

## PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,701,495	06/30/2020	2015-032

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## OTHER INFORMATION

### KEYWORDS

hearing aid, smart mobile devices

### CATEGORIZED AS

- ▶ **Communications**
  - ▶ Other
  - ▶ Wireless
- ▶ **Medical**
  - ▶ Devices

### RELATED CASES

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