Title (en)

CANCELLATION OF NON-STATIONARY INTERFERING SIGNALS FOR SPEECH RECOGNITION

Title (de)

AUSLÖSCHUNG NICHT-STATIONÄRER INTERFERENZSIGNALE FÜR DIE SPRACHERKENNUNG

Title (fr)

ANNULATION DE SIGNAUX BROUILLEURS NON FIXES POUR LA RECONNAISSANCE VOCALE

Publication

EP 1190417 A1 20020327 (EN)

Application

EP 00927504 A 20000505

Priority

- GB 0001715 W 20000505
- GB 9910448 A 19990507

Abstract (en)

[origin: WO0068936A1] System for cancellation of non-stationary interfering signals, particularly for use for mitigating effects of such interferers produced by in-car entertainment (ECAD) devices for speech recognition applications. The system spectrally analyses signals output by the ECAD before and after they are passed through an in-car acoustic channel. A model of the acoustic channel is built by the system's algorithm. For speech recognition the model is spectrally subtracted from a signal received at a microphone in order to recover a wanted speech signal. The acoustic channel model is built by estimating frequency domain acoustic transfer functions between each loudspeaker used by the ECAD and the microphone.

IPC 1-7

G10L 21/02; G10L 15/20

IPC 8 full level

G10L 15/20 (2006.01); **G10L 21/0208** (2013.01); **H04R 3/02** (2006.01)

CPC (source: EP US)

G10K 11/175 (2013.01 - EP US); **G10L 15/20** (2013.01 - EP); **G10L 21/0208** (2013.01 - EP)

Citation (search report)

See references of WO 0068936A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 0068936 A1 20001116; AU 4590400 A 20001121; EP 1190417 A1 20020327; GB 9910448 D0 19990707; JP 2002544552 A 20021224

DOCDB simple family (application)

GB 0001715 W 20000505; AU 4590400 A 20000505; EP 00927504 A 20000505; GB 9910448 A 19990507; JP 2000617442 A 20000505