

Title (en)

System and method for reducing uplink noise

Title (de)

System und Verfahren zur Verringerung von Uplink-Geräuschen

Title (fr)

Système et procédé de réduction du bruit dans les liaisons montantes

Publication

EP 1926085 A1 20080528 (EN)

Application

EP 06124725 A 20061124

Priority

EP 06124725 A 20061124

Abstract (en)

A system and method for reducing uplink noise in a mobile communications device, the system including: a noise estimator for estimating noise in proximity to the mobile communication device; an adjustable filter for receiving a signal from a microphone of the mobile communication device; an adjustable attenuation block for receiving a filtered signal from the adjustable filter; a controller configured to: monitor the estimated noise; and adjust the adjustable filter and adjustable attenuation block based on the estimated noise. In particular, the controller may be configured to adjust the adjustable filter by increasing the depth of the filtering for higher estimated noise levels and adjust the attenuation by increasing the attenuation for higher estimated noise levels.

IPC 8 full level

G10L 21/02 (2006.01); **G10L 21/0208** (2013.01); **H04B 1/10** (2006.01); **G10L 21/0364** (2013.01)

CPC (source: EP)

G10L 21/0208 (2013.01); **G10L 2021/03646** (2013.01)

Citation (applicant)

WO 0189184 A1 20011122 - ERICSSON INC [US], et al

Citation (search report)

- [X] WO 9502288 A1 19950119 - PICTURETEL CORP [US]
- [X] WO 2004068467 A1 20040812 - OTICON AS [DK], et al
- [A] WO 0189184 A1 20011122 - ERICSSON INC [US], et al

Cited by

JP2011509008A; EP2860730A1; EP2232704A4; US9177566B2; US10157627B1; WO2018222683A1; US9530427B2; US8300846B2; US9058819B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1926085 A1 20080528; **EP 1926085 B1 20101103**; AT E487214 T1 20101115; CA 2611222 A1 20080524; CA 2611222 C 20111220; CN 101222235 A 20080716; CN 101222235 B 20120704; DE 602006018030 D1 20101216; SG 143204 A1 20080627

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EP 06124725 A 20061124; AT 06124725 T 20061124; CA 2611222 A 20071119; CN 200710193677 A 20071123; DE 602006018030 T 20061124; SG 2007180557 A 20071123