

Title (en)  
Mobile transceiver

Title (de)  
Mobilfunkendgerät

Title (fr)  
Emetteur-récepteur mobile

Publication  
**EP 0689191 A3 19970528 (DE)**

Application  
**EP 95201578 A 19950614**

Priority  
DE 4421853 A 19940622

Abstract (en)  
[origin: US5647006A] A mobile radio terminal comprises a speech processor for processing a first and at least a further speech signal formed by noise and speech signal components and available as sample values. The sampled further speech signal is delayed by an adjustable delay value. Control means are provided which are used for forming gradient estimates. The control means are additionally used for recursively determining delay estimates from the gradient estimates. By rounding the delay estimates, the delay values are formed. Furthermore, their mutually time-shifted speech signals are added together by means of an adder device.

IPC 1-7  
**G10L 3/02**

IPC 8 full level  
**H04B 1/10** (2006.01); **G10L 21/02** (2006.01); **G10L 21/0208** (2013.01); **H04R 3/00** (2006.01); **G10L 21/0216** (2013.01)

CPC (source: EP US)  
**G10L 21/0208** (2013.01 - EP US); **G10L 2021/02166** (2013.01 - EP US)

Citation (search report)

- [A] US 3997772 A 19761214 - CROCHIERE RONALD ELDON, et al
- [A] EP 0073869 A1 19830316 - IBM [US], et al
- [A] WO 9103790 A1 19910321 - MOTOROLA INC [US]
- [AD] ETTER ET AL.: "Adaptive estimation of time delays in sampled data systems", IEEE TRANSACTIONS ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. 29, no. 3, June 1981 (1981-06-01), US, pages 582 - 587, XP002028506
- [A] CHAN ET AL.: "A parameter estimation approach to time delay estimation", INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING 1979, 2 April 1979 (1979-04-02) - 4 April 1979 (1979-04-04), WASHINGTON DC, US, pages 128 - 131, XP002028507
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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**US 5647006 A 19970708**; DE 4421853 A1 19960104; DE 59509271 D1 20010628; EP 0689191 A2 19951227; EP 0689191 A3 19970528; EP 0689191 B1 20010523; JP H0818473 A 19960119

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**US 49340195 A 19950622**; DE 4421853 A 19940622; DE 59509271 T 19950614; EP 95201578 A 19950614; JP 15650495 A 19950622