

Title (en)
Loudspeaker selection device.

Title (de)
Einrichtung zum Umschalten eines Lautsprechers.

Title (fr)
Dispositif de sélection d'un haut-parleur.

Publication
EP 0659029 A3 19960207 (DE)

Application
EP 94119808 A 19941215

Priority
DE 4342917 A 19931216

Abstract (en)
[origin: EP0659029A2] Radio equipment such as car telephones, service transceivers and the like are increasingly being installed in motor vehicles. Such equipment makes the user quite independent and more mobile. This advantage also necessarily entails a safety risk in that the concentration and reaction to the road traffic of a vehicle driver using such equipment deteriorate since, in most cases, he must hold a receiver in his hand for operating the transceiver and thus then only has one hand for steering the vehicle. This is remedied by so-called hands-free talking devices in which speaking is done via a permanently mounted microphone and listening is done via a loudspeaker. The invention describes a device which is of simple construction and enables a loudspeaker to be used which is already available in the motor vehicle for an audio device. The device is of very small construction and is installed so easily that, in particular, it is also suitable for subsequent installation in a motor vehicle. Due to the use of the installed loudspeaker, the quality of reproduction is very good. <IMAGE>

IPC 1-7
H04R 3/12

IPC 8 full level
H04B 1/38 (2006.01); **H04R 3/00** (2006.01); **H04R 3/12** (2006.01); **H04R 5/04** (2006.01)

CPC (source: EP)
H04R 3/12 (2013.01); **H04R 5/04** (2013.01); **H04R 2420/01** (2013.01)

Citation (search report)
• [YD] EP 0483956 A2 19920506 - TECHNOPHONE LTD [GB]
• [Y] WO 9009706 A1 19900823 - IN CAR SYSTEMS LTD [GB]
• [A] WO 8700718 A1 19870129 - CUSTOM PROD DEV [AU]
• [A] US 4184115 A 19800115 - MUNAKATA DAISABURO [JP], et al
• [A] US 4060766 A 19771129 - KAZUO ARAI
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EP1341394A1; DE202011003798U1; US7096047B2; WO0036759A1

Designated contracting state (EPC)
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EP 0659029 A2 19950621; **EP 0659029 A3 19960207**; **EP 0659029 B1 20001018**; AT E197107 T1 20001115; DE 4342917 A1 19950622; DE 59409552 D1 20001123

DOCDB simple family (application)
EP 94119808 A 19941215; AT 94119808 T 19941215; DE 4342917 A 19931216; DE 59409552 T 19941215