

Title (en)
Loudspeaker arrangement and switching apparatus therefor

Title (de)
Lautsprecheranordnung und Schaltvorrichtung dafür

Title (fr)
Agencement de haut-parleur et dispositif de commutation associé

Publication
EP 1355510 A3 20051207 (EN)

Application
EP 03290832 A 20030403

Priority
• US 12674302 A 20020419
• US 12674602 A 20020419

Abstract (en)
[origin: EP1355510A2] There is provided an acoustic sound reproducing apparatus for a first audio signal and having an input terminal for receiving a second audio signal, a selector switch and at least one loudspeaker. The at least one loudspeaker is driven by an output signal from one of the first or second audio signal through the selector switch. As a result, the acoustic sound reproducing apparatus, and the apparatus providing the second audio signal, can commonly use a single loudspeaker or set of loudspeakers. When the external audio signal is selected, the internal loudspeaker(s) becomes part of the external loudspeaker arrangement for a surround sound system. When more than one loudspeaker is used, the loudspeakers are connected to each other in series when they are connected to be driven by the external second audio input signal instead of each being driven by their respective amplifiers. This permits the loudspeakers to be driven by an external amplifier having a higher power output than the internal power amplifier so that the loudspeakers will not be damaged when driven by a higher power external amplifier. <IMAGE>

IPC 1-7
H04R 5/04

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

CPC (source: EP KR)
H04R 3/12 (2013.01 - KR); **H04R 5/04** (2013.01 - EP); **H04R 3/007** (2013.01 - EP); **H04R 3/12** (2013.01 - EP); **H04R 2420/01** (2013.01 - EP); **H04R 2420/03** (2013.01 - EP)

Citation (search report)
• [Y] US 4481660 A 19841106 - DE KONING STEPHANUS H [NL], et al
• [A] US 3944941 A 19760316 - TSUDA AKIRA
• [DA] US 5329371 A 19940712 - UENO SHIGEMI [JP]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 006, no. 189 (E - 133) 28 September 1982 (1982-09-28)
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 003 (E - 1485) 6 January 1994 (1994-01-06)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1355510 A2 20031022; **EP 1355510 A3 20051207**; CN 1452435 A 20031029; JP 2003319487 A 20031107; KR 20030083579 A 20031030; MX PA03003248 A 20031022

DOCDB simple family (application)
EP 03290832 A 20030403; CN 03122914 A 20030417; JP 2003098568 A 20030401; KR 20030021285 A 20030404; MX PA03003248 A 20030411