

Title (en)

Method and apparatus for multi-channel sound reproduction

Title (de)

Verfahren und Vorrichtung zur mehrkanaligen Tonwiedergabe

Title (fr)

Méthode et appareil pour la reproduction de son à plusieurs canaux

Publication

**EP 0712264 A3 19990818 (DE)**

Application

**EP 95113420 A 19950826**

Priority

DE 4440014 A 19941109

Abstract (en)

[origin: EP0712264A2] The sound reproduction system uses at least 3 front sound reproduction channels positioned on the left and right and at the centre and 2 surround sound reproduction channels positioned on the left and right. Each of the received sound channel signals is divided, with one part provided with an increased delay time and an altered amplitude and phase before summation with the unaltered signal parts, for supplying summated signals to each of the sound reproduction channels. pref. auxiliary sub-sound reproduction channels (LSn,RSn) are supplied with further signals obtained by similar division and summation.

IPC 1-7

**H04S 3/02**

IPC 8 full level

**H04S 3/02** (2006.01); **H04S 7/00** (2006.01)

CPC (source: EP US)

**H04S 3/02** (2013.01 - EP US); **H04S 7/30** (2013.01 - EP US); **H04S 7/302** (2013.01 - EP US); **H04S 7/307** (2013.01 - EP US); **H04S 7/40** (2013.01 - EP US)

Citation (search report)

- [XA] WO 9119407 A1 19911212 - HARMAN INT IND [US]
- [XA] WO 9215180 A1 19920903 - TRIFIELD PRODUCTIONS LTD [GB]
- [A] EP 0352627 A2 19900131 - SANYO ELECTRIC CO [JP]

Cited by

US7415116B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0712264 A2 19960515**; **EP 0712264 A3 19990818**; **EP 0712264 B1 20031112**; AT E254383 T1 20031115; DE 4440014 A1 19960515; DE 4440014 C2 20020207; DE 59510828 D1 20031218; US 5703955 A 19971230

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