

Title (en)
IMPROVEMENTS IN AND RELATING TO TRANSMISSION LINE LOUDSPEAKERS

Publication
EP 0580579 A4 19940615 (EN)

Application
EP 91920600 A 19910419

Priority
• CA 2108696 A 19910419
• US 9102731 W 19910419

Abstract (en)
[origin: WO9219080A1] The sound wave radiated from the front surface (UF) of a loudspeaker driver diaphragm is of opposite polarity with respect to that radiated from the back surface (UB). If the two signals are directly combined, they will tend to cancel one another. An acoustic phase inversion network (5) is used to ensure that the backwave is in phase with the front wave, and the combined signals are used to drive the inlet of a loudspeaker transmission line (6).

IPC 1-7
H04R 1/28

IPC 8 full level
G10K 11/16 (2006.01); **G10K 11/178** (2006.01); **H04R 1/28** (2006.01); **H04R 1/30** (2006.01); **H04R 25/00** (2006.01)

IPC 8 main group level
G10K (2006.01); **H04R** (2006.01)

CPC (source: EP)
H04R 1/2842 (2013.01); **H04R 1/30** (2013.01)

Citation (search report)
• [A] DE 3144545 A1 19820812 - BOSE CORP [US]
• [A] US 4665549 A 19870512 - ERIKSSON LARRY J [US], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 264 (P - 1057) 7 June 1990 (1990-06-07)
• See references of WO 9219080A1

Cited by
US9741355B2; US10959035B2; US11211043B2; US9615813B2; US10848118B2; US9793872B2; US9906867B2; US9621994B1; US9998832B2; US10848867B2; US11425499B2; US10639000B2; US9906858B2; US10069471B2; US10313791B2; US10917722B2; US11418881B2; US9638672B2; US9883318B2; US10412533B2; US10701505B2; US10999695B2; US11202161B2; US10158337B2; US10666216B2; US10820883B2; US11284854B2; US11431312B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
WO 9219080 A1 19921029; CA 2108696 A1 19921020; DE 69129664 D1 19980730; DE 69129664 T2 19981203; DK 0580579 T3 19990406; EP 0580579 A1 19940202; EP 0580579 A4 19940615; EP 0580579 B1 19980624; ES 2118093 T3 19980916; HK 1011163 A1 19990702; JP H06508445 A 19940922

DOCDB simple family (application)
US 9102731 W 19910419; CA 2108696 A 19910419; DE 69129664 T 19910419; DK 91920600 T 19910419; EP 91920600 A 19910419; ES 91920600 T 19910419; HK 98112067 A 19981117; JP 51852791 A 19910419