Title (en)
FLAT SURFACE LOUDSPEAKER AND METHOD FOR OPERATING THE SAME

Title (de)
FLÄCHENLAUTSPRECHER UND VERFAHREN ZU DESSEN BETRIEB

Title (fr)
HAUT-PARLEUR PLAN ET SON PROCEDE DE PRODUCTION

Publication
EP 1169884 A1 20020109 (DE)

Application
EP 99960797 A 19991021

Priority
- DE 9903377 W 19991021
- DE 19917584 A 19990419

Abstract (en)
[origin: WO0064217A1] The invention relates to a method for operating a flat surface loudspeaker (1). According to the method, at least one moving coil (3, 4) is applied to a platform-shaped surface (2) with predetermined material properties. Said surface is excited to vibration by the at least one moving coil, which is electrically excited by a source of sound (7). The acoustic frequency response of the flat surface loudspeaker is measured and the inverse frequency curve to its frequency curve is determined. This inverse frequency curve is simulated in a filtering device (8) as its transfer function. The filtering device is connected between the sound source (7) and the flat surface loudspeaker (1) in the operating arrangement, so that the frequency response of the flat surface speaker is compensated based on its transfer function. The compensation of the frequency response of the flat surface loudspeaker improves its transfer properties even to hi-fi standards.

IPC 1-7
H04R 7/04; H04R 29/00; H04R 3/04

IPC 8 full level
H04R 1/22 (2006.01); **H04R 3/04** (2006.01); **H04R 7/04** (2006.01); **H04R 29/00** (2006.01)

CPC (source: EP)
H04R 3/04 (2013.01); **H04R 7/04** (2013.01); **H04R 29/001** (2013.01); H04R 7/045 (2013.01)

Citation (search report)
See references of WO 0064217A1

Cited by
DE102007003164A1; DE102006056394B4; DE102007062875A1; WO2016003962A1; WO2008090090A1; DE102007003165A1; WO2008090077A1

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

DOCDB simple family (publication)
WO 0064217 A1 20001026; AT E243910 T1 20030715; AU 1768700 A 20001102; AU 767985 B2 20031127; DE 19917584 A1 20001026; DE 59906131 D1 20030731; DK 1169884 T3 20031020; EP 1169884 A1 20020109; EP 1169884 B1 20030625; JP 2002542745 A 20021210

DOCDB simple family (application)
DE 9903377 W 19991021; AT 99960797 T 19991021; AU 1768700 A 19991021; DE 19917584 A 19990419; DE 59906131 T 19991021; DK 99960797 T 19991021; EP 99960797 A 19991021; JP 2000613226 A 19991021