



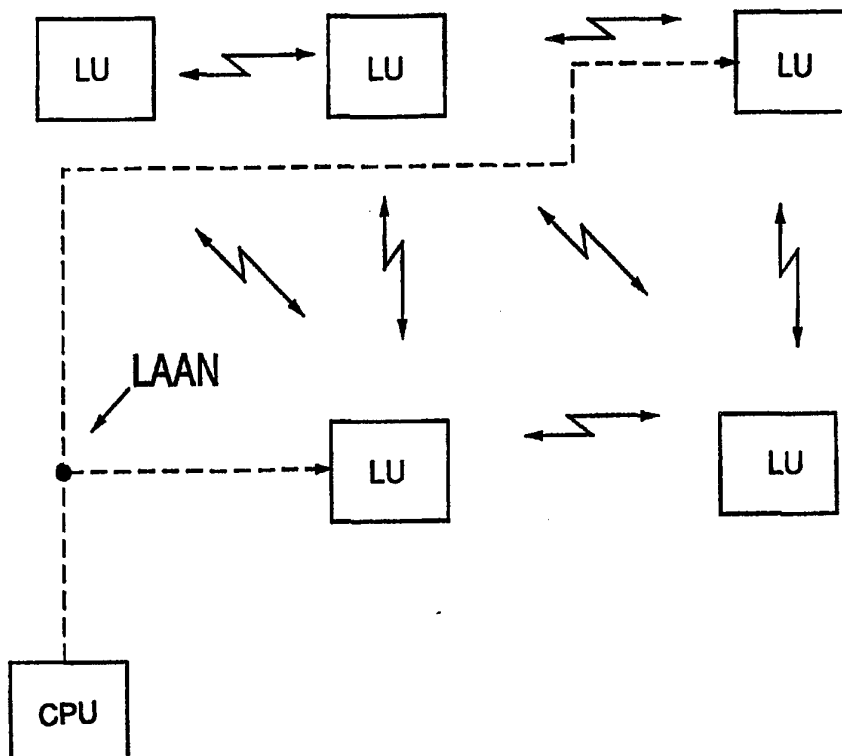
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/FI96/00156 (22) International Filing Date: 15 March 1996 (15.03.96) (30) Priority Data: 951272                      17 March 1995 (17.03.95)                      FI (71) Applicant (for all designated States except US): FARM FILM OY [FI/FI]; Järvihaantie 4 B 7, FIN-01800 Klaukkala (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): LAITINEN, Arvo, Olavi [FI/FI]; Envallintie 14 B, Fin-01900 Nurmijärvi (FI). VUORI, Jarkko, Tapio [FI/FI]; Riippakoivuntie 17 A, FIN-02130 Espoo (FI). (74) Agent: OY KOLSTER AB; Iso Roobertinkatu 23, P.O. Box 148, FIN-00121 Helsinki (FI).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> <i>In English translation (filed in Finnish).</i> (88) Date of publication of the international search report: 14 November 1996 (14.11.96)	

(54) Title: A METHOD FOR IMPLEMENTING A SOUND REPRODUCTION SYSTEM FOR A LARGE SPACE, AND A SOUND REPRODUCTION SYSTEM

## (57) Abstract

The invention relates to a method for implementing a sound reproduction system for a large space, and a sound reproduction system. In accordance with the invention, a) loudspeaker units (LU) are placed in different parts of said space, and the information to be transmitted by the loudspeaker unit to its environment is fed to said loudspeaker unit from an information source (CPU) common to several loudspeaker units, b) determinations specific to said loudspeaker unit are carried out in a separate loudspeaker unit (LU), and c) a message is sent from the loudspeaker unit (LU) to the common information source (CPU), said message (20) containing information obtained on the basis of said determination. For accomplishing a system that is able to transmit individual information effectively to the different parts of the system, a reply message is transmitted in response to said message from the common information source (CPU) to the loudspeaker unit that has carried out the transmission, said reply message containing such information intended to be transmitted by the loudspeaker unit in which the message depends on the information received by the common information source.



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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 96/00156

## A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H03G 3/20, H04R 27/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H03G, H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	US 5406634 A (CHARLES W. ANDERSON ET AL), 11 April 1995 (11.04.95), see whole document --	1-23
A	US 4618987 A (GERHARD STEINKE ET AL), 21 October 1986 (21.10.86), see whole document --	1-23
A	US 4219696 A (TAKUYO KOGURE ET AL), 26 August 1980 (26.08.80), see whole document --	1-23
A	GB 2221595 A (UNIVERSITY OF SOUTHAMPTON), 7 February 1990 (07.02.90), see whole document --	1-23

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 96/00156

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

05/09/96

International application No.

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