May 23, 2000 Carl I. Brundidge Date Name of Person Signing

Attorney Registration No. 29,621

Total number of pages including cover sheet, attachments, and document: 2

OMB No. 0651-0011 (exp. 4/94)

PATENT REEL: 010813 FRAME: 0487

ASSIGNMENT

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to Audio Apparatus

\boxtimes	or which an application for Letters Patent to Trademark Office was executed on even date	No. for Letters Patent was filed in the U.S. Patent	
	for which U.S. Application Serial No. and Trademark Office on	for Letters Pate	ent was filed in the U.S. Patent
	for which an International Application United States. was filed on	as	, designating the

AND WHEREAS NOKIA MOBILE PHONES LIMITED, KEILALAHDENTIE 4, 02150 ESPOO, FINLAND

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to

ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Antonneli, Terry, Stout, Kraus, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1	FULL NAME OF SOLE OR FIRST	INVENTOR'S SIGNATURE	DATE
	NAMED INVENTOR ANDREW PHELPS	It the	15/5/00
		INVENTOR'S SIGNATURE	DATE
2	FULL NAME OF SECOND NAMED INVENTOR	INVENTOR S SIGNATURE	
			TO A TELE
3	FULL NAME OF THIRD NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
4	FULL NAME OF FOURTH NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE
5	FULL NAME OF FIFTH NAMED INVENTOR	INVENTOR'S SIGNATURE	DATE

PATENT
RECORDED: 05/23/2000 REEL: 010813 FRAME: 0488