Patent and Trademark Office

To the Honorable Commissioner of

1. Name of conveying party(ies): Andrea ALLASIA

Guido MANZONE

101272701

ed original documents or copy(ies) thereof

ddress of receiving party(ies):

TELECOM ITALIA S.P.A.

VIA BERTOLA, 34 **I-10122 TORINO ITALY**

Additional name(s) of conveying party(ies) attached? No				
3.	Na	ature of conveyance:		
	Ø	Assignment		Merger
		Security Agreement		Change of Name
		Other		

Execution Date: 7 December 1999

Additional name(s) & address(es) attached? No

- 4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: 7 December 1999
- A. Patent Application No(s).

US Phase of PCT/EP98/04216 Filed concurrently herewith

B: Patent No(s).

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

The Firm of Karl F. Ross P.C. 12/10/1999 WCLAYBRO (Country men Nymber 000535 5676 Riverdale Avenue Box 900 Riverdale (Bronx), NY 05 0471-0900 03 #C:581

Tel: (718) 884-6600

- 6. Total number of applications and patents involved:
- 7. Total fee (37CFR3.41) \$40

- Authorized to be charged to deposit account
- 8. Charge any deficiency to Deposit account: 18-2025

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is

true copy of the original document.

Herbert Dubno Reg. 19,752

15 December 1999

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

PATENT

REEL: 010559 FRAME: 0160

Assignment

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, , the undersigned,

1) Andrea ALLASIA

Via Volpiano 19 - 1004@ LOMBARDORE (TORINO) - ITALY

2) Guido MANZONE

Via Stoppani 6 - 10147 TORINO - ITALY

Hereby sell, assign and transfer to

TELECOM ITALIA S.p.A.

a corporation of ITALY

having a place of business at 10122 TORINO - Via Bertola 34 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith US Phase of METHOD OF AND DEVICE FOR MEASURING ECHO PARAMETERS ON and is entitled

TELEPHONE LINES

, and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

- 7 DIC. 1999

RECORDED: 12/16/1999

PATENT REEL: 010559 FRAME: 0161