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1000-000	1998 SEP 21 AM 9: 21
1. Name of party or parties conveying an interest:	2. Name and address of party or parties receiving an interest: Name: FRANCE TELECOM Address:6, Place d'Alleray - 75015 PARIS (FRANCE)
Jean Monné Laurent Mauuary 9-21-98	
3. Description of the interest conveyed:	
X Assignment Merger Change of Name Security Agreement	Other:
Execution Date: August 26, 1998	09, 119, 279
4. Application number(s) or patent number(s). Additional sheet attached?  YES NO_X	If the document is being filed together with a new application, the execution date of the application is:
A. Patent application no.(s):	B. Patent no.(s):
09/119,279 filed July 20, 1998	
5. Name and address of party to whom correspondence concerning this cover sheet should be mailed:	6. Number of applications and/or patents identified on this cover sheet:
Name: William E. McCracken Reg. No. 30,195 MARSHALL, O'TOOLE, GERSTEIN,	7. Amount of fee enclosed or authorized to be charged: \$40.00
MURRAY & BORUN Street Address: 6300 Sears Tower, 233 South Wacker Drive City: Chicago	8. Any additional required fee may be charged, or any overpayment credited to our deposit account: 13-2855
State: Illinois Zip: 60606-6402	
	submitted is a true opy of the original liam E. McCrackers.  No. 30,195

PATENT REEL: 9470 FRAME: 0176

## MARSHALL, O'TOOLE, GERSTEIN, MURRAY & BORUN, 6300 Sears Tower, 233 South Wacker Drive, Chicago, Illinois 60606-6402

Title: Process and device for blind equalisation of the effects of a transmission For Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency whereof are hereby FRANCE TELECOM Place d'Alleray - 75015 PARIS (FRANCE hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, executed by the undersigned on 26 Sugart 1998, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee. The undersigned hereby authorize(s) and request(s) the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known. The undersigned warrant(s) themselves (himself/herself) to be the owners (owner) of the interest herein assigned and to have the right to make this assignment and further warrant(s) that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned. For said consideration the undersigned hereby agree(s), upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for the aforesaid consideration the undersigned further agree(s) upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned

WITNESS my (our) hand(s) this 26 day of August 1998, 1) Denis JOUVET Name: acreat NAUUAR7 1/ 2) Frederic GAVIGNET Name:

RECORDED: 09/21/1998

if this assignment and sale had not been made.

PATENT REEL: 9470 FRAME: 0177