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To the Honorable Commissioner of P 100998	2. Name and address of receiving party(ies)
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Execution Date:3/16/99	Additional name(s) & address(es) attached? 🗆 Yes 🔯 No
A Patent Application No.(S)	B. Patent NO.(S)
A. Patent Application No.(s) Additional numbers a	B. Patent No.(s) mached? 그 Yes 점 No
Additional numbers and 5. Name and address of party to whom correspondence	Intached? 그 Yes 전 No
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Frank Pietrantonio	attached? Yes 점 No 6. Total number of applications and patents involved: 1
Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$_40.00
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Additional numbers at 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Frank Pietrantonio Internal Address: Kenyon & Kenyon Street Address: Kenyon & Kenyon 1500 K Street, N.W., Suite 700 City: Washington State: DC ZIP: 20005	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)\$ 40.00 □ Enclosed ※ Authorized to be charged to deposit account 8. Deposit account number:
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Washington, D.C. 20231

REEL: 9838 FRAME: 0942

2685/113401

ASSIGNMENT AND AGREEMENT

For value received, I, Patrick A. Hosein of Monmouth, New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND SYSTEM FOR NETWORK TRAFFIC RATE CONTROL BASED ON FRACTIONAL TOKENS** application for Letters Patent of the United States, filed herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

PATENT REEL: 9838 FRAME: 0943

I agree that, when requested, I shall, without charge to AT&T Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

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Patrick A. HOSEIN

Date: 3/16/99

United States of America

State of New Sersey) ss .: CIG 601883

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County of Manmouth)

On this 16 + 11 day of 16 - 10 day of 19 - 99 before me personally came Patrick A. Hosein, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Rillera Polinni Notary Public

DEBERA POLIZZI Notary Public of New Jersey My Commission Expires July 25, 2023