

01/02/02

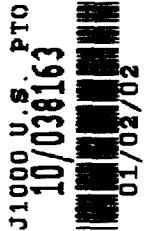


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1) Mario Blaum, 2) Glen Alan Jaquette, 3) Brian Harry Marcus, and
4) Constantin Michael Melas
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2. Name and address of receiving party(ies):
International Business Machines Corporation
Armonk, New York 10504
Additional name(s) & address(es) attached? Yes No



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Execution Date 1) December 19, 2001; 2) December 12, 2001;
3) December 18, 2001; 4) December 18, 2001

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: January 2, 2002
A. Patent Application No.(s): _____ B. Patent No.(s): _____
Additional numbers attached? Yes No

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

DAVID W. VICTOR, ESQ.
KONRAD RAYNES VICTOR & MANN LLP
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Beverly Hills, CA 90212

6. Total number of applications and patents involved: [1]
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ASSIGNMENT

Whereas, we

INVENTOR
AND CITY

(1) Mario Blaum
County of Santa Clara
(2) Glen Alan Jaquette
County of Pima
(3) Brian Harry Marcus
County of Santa Clara
(4) Constantin Michael Melas
County of Santa Clara

of San Jose
and State of California
of Tucson
and State of Arizona
of Los Altos
and State of California
of Los Gatos
and State of California

have invented certain improvement in

TITLE

METHOD, SYSTEM, AND PROGRAM FOR SYNCHRONIZATION AND RESYNCHRONIZATION OF A DATA STREAM

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

and executed, respectively, a United States patent application therefore on
(1) 12/19, 2001, (2) 12/12, 2001, (3) 12/18, 2001, and (4) 12/18,
2001

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY
DATE

(1) at SAN JOSE, CA
on 12/19, 2001,

Mario Blaum
Mario Blaum SIGNATURE
INVENTOR

CITY
DATE

(2) at Tucson
on 12/12, 2001,

Glen Alan Jaquette
Glen Alan Jaquette SIGNATURE
INVENTOR

CITY
DATE

(3) at San Jose, CA
on 12/18, 2001,

Brian Harry Marcus SIGNATURE
Brian Harry Marcus INVENTOR

CITY
DATE

(4) at San Jose, CA
on 12/18, 2001,

Constantin Michael Melas SIGNATURE
Constantin Michael Melas INVENTOR