# PATENT ASSIGNMENT

# Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW AS	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGN	ASSIGNMENT		
CONVEYING PART	Y DATA				
Name				Execution Date	]
Stephen A. Mattin				03/17/1989	
Paul Cummings				03/20/1989	
Meichun Hsu				03/21/1989	
Ugo O. Gagliardi				03/21/1989	
RECEIVING PARTY	′ DATA				
Name:	Bell Atlantic I	Network Services	, Inc.		
Street Address:	1310 N. Cou	t House Road			
City:	Arlington	Arlington			
State/Country:	VIRGINIA				
Postal Code: 22201					
Property Type		00004444	Number		
Application Number: 0809414					]
CORRESPONDENC	CE DATA 908766	3264			
Correspondence wi	ll be sent via US	Mail when the fa	x attempt is unsucce	essful.	
Email:		.palmieri@verizo	n.com		
Correspondent Nam Address Line 1:		R. Palmieri izon Way			
Address Line 1. Address Line 2:	Room 5	-			
Address Line 4:		Ridge, NEW JE	RSEY 07920		
NAME OF SUBMIT	rer:	Joseph	R. Palmieri		
Total Attachments: 1 source=Inventor Ass source=Inventor Ass source=Inventor Ass	signment 080941 signment 080941	44#page2.tif		PATENT	
502066034					0234

# 502066034

## PATENT REEL: 028978 FRAME: 0234

source=Inventor Assignment 08094144#page4.tif source=Inventor Assignment 08094144#page5.tif source=Inventor Assignment 08094144#page6.tif source=Inventor Assignment 08094144#page7.tif source=Inventor Assignment 08094144#page8.tif source=Inventor Assignment 08094144#page10.tif source=Inventor Assignment 08094144#page10.tif source=Inventor Assignment 08094144#page10.tif source=Inventor Assignment 08094144#page11.tif

#### APPENDIX C

AGREEMENT CONCERNING DEVELOPMENT AND DISCLOSURE OF INFORMATION

This Agreement is made this <u>March</u> day of <u>March</u> 1989 by and between General Systems Group, Inc. (herein "GSG) and the undersigned individual (herein "employee").

#### WITNESSETH:

WHEREAS, GSG has agreed to provide to Bell Atlantic Network Services, Inc. (herein "Bell Atlantic") certain consulting services relating to the investigation of techniques for introducing broadband Integrated Services Digital Network capabilities, as described more fully in an agreement between GSG and Bell Atlantic effective March 15, 1989 (herein "the GSG/Bell Atlantic Contract"); and

WHEREAS, Employee has agreed with GSG to assist GSG in performing GSG's obligations under the GSG/Bell Atlantic Contract and has agreed to be bound by the terms and conditions of the GSG/Bell Atlantic Contract; and

WHEREAS, in connection with work on the GSG/Bell Atlantic Contract GSG or Bell Atlantic may find it beneficial to disclose to Employee certain confidential and proprietary information belonging to GSG or Bell Atlantic;

NOW, THEREFORE, it is hereby understood and agreed as follows:

1. <u>NON-DISCLOSURE</u>

- a. The term "Information" as used in this Agreement means all specifications, drawings, sketches, models, samples, reports, plans, forecasts, current and historic data, computer programs or documentation, or other technical or business information obtained, directly or indirectly, by Employee from GSG or from Bell Atlantic in connection with Employee's work on the GSG/Bell Atlantic Contract.
- b. Unless GSG or Bell Atlantic acknowledges in writing to the contrary, all Information, as defined herein, shall remain the property of GSG or Bell Atlantic and shall be presumed to be confidential and proprietary and will be so treated by Employee.
- c. With respect to said Information, Employee shall:
  - use said Information only for purposes directly related to work under the GSG/Bell Atlantic Contract;

2) restrict discle. re of said Information souly to those employees of GSG or Bell Atlantic with a need to know such Information in order to complete GSG's work under the GSG/Bell Atlantic Contract, and not disclose said Information to any other persons;

- 2 -

- advise all persons given access to the Information of the obligation for protecting the confidentiality of said Information; and
- 4) use a degree of care appropriate for the protection of confidential or proprietary Information.
- d. All Information disclosed by Bell Atlantic to Employee shall be returned by Employee to GSG or to Bell Atlantic upon request, or upon termination or cancellation of the GSG/Bell Atlantic Contract.
- e. The obligations imposed herein shall not apply to Information which becomes available to the public through no wrongful act of Employee or its employer.

### 2. DEVELOPED INFORMATION

a. Employee agrees that it will disclose and furnish promptly to GSG and Bell Atlantic any and all technical information, computer or other apparatus programs, specifications, drawings, records, documentation, works of authorship or other creative works, ideas, knowledge or data, written, oral or otherwise expressed, originated or developed by Employee as a result of work performed in connection with the GSG/Bell Atlantic contract (herein "Developed Information"). Bell Atlantic shall have perpetual and exclusive use and ownership, including copyrights, of all such Developed Information. In order to effectuate the foregoing, it is expressly understood and acknowledged that Employee's work hereunder is specially ordered by Bell Atlantic and is to be a work made for hire under the U.S. copyright laws. any and all rights, title and interest which Employee, may have in such Developed Information, including any copyright, trademark, trade secret, or other proprietary rights, under the laws of the United States or of any other jurisdiction, are hereby irrevocably assigned by Employee to the Bell Atlantic, in perpetuity. Employee agrees to assist and cooperate with the Bell Atlantic, and to execute all appropriate documents, to protect Bell Atlantic's rights in the Developed Information.

Employee further agrees to acquire such assignments, rights and covenants as are prudent to assure that Bell Atlantic shall receive the rights provided for herein, it being understood that Bell Atlantic may desire to copyright, patent, and/or market, in whole or in part or in conjunction with other information, the Developed Information.

- 3 -Employee further ables to proceed, at Bell Atlantic's expense, with any assignments, covenants, or other actions necessary to assure that Bell Atlantic receives the rights provided for in this DEVELOPED INFORMATION clause, it being understood that Bell Atlantic may desire to copyright, patent and/or market, in whole or in part or in conjunction with other information, the results of the GSG/Bell Atlantic Contract b. Contract. Employee further agrees that all Developed Information shall be subject to the confidentiality provisions set forth in с. paragraph 1.c. above. EMPLOYEE GENERAL SYSTEMS GROUP, INC. BY : 650 DATE: DATE: General Systems Group, Inc. PATENT

**REEL: 028978 FRAME: 0238** 

#### APPENDIX C

AGREEMENT CONCERNING DEVELOPMENT AND DISCLOSURE OF INFORMATION

This Agreement is made this 20 day of March 1989 by and between General Systems Group, Inc. (herein "GSG) and the undersigned individual (herein "employee").

### WITNESSETH:

WHEREAS, GSG has agreed to provide to Bell Atlantic Network Services, Inc. (herein "Bell Atlantic") certain consulting ser-vices relating to the investigation of techniques for introducing broadband Integrated Services Digital Network capabilities, as described more fully in an agreement between GSG and Bell Atlantic effective March 15, 1989 (herein "the GSG/Bell Atlantic Con-

WHEREAS, Employee has agreed with GSG to assist GSG in per-forming GSG's obligations under the GSG/Bell Atlantic Contract and has agreed to be bound by the terms and conditions of the GSG/Bell Atlantic Contract; and

WHEREAS, in connection with work on the GSG/Bell Atlantic Contract GSG or Bell Atlantic may find it beneficial to disclose to Employee certain confidential and proprietary information belonging to GSG or Bell Atlantic;

NOW, THEREFORE, it is hereby understood and agreed as follows:

1. NON-DISCLOSURE

b.

- The term "Information" as used in this Agreement means all a. specifications, drawings, sketches, models, samples, specifications, Grawings, Sketches, models, Samples, reports, plans, forecasts, current and historic data, com-puter programs or documentation, or other technical or busi-ness information obtained, directly or indirectly, by Employee from GSG or from Bell Atlantic in connection with Employee's work on the GSG/Bell Atlantic Contract.
- Unless GSG or Bell Atlantic acknowledges in writing to the contrary, all Information, as defined herein, shall remain the property of GSG or Bell Atlantic and shall be presumed to be confidential and proprietary and will be so treated by
- With respect to said Information, Employee shall: C.
  - use said Information only for purposes directly related to work under the GSG/Bell Atlantic Contract; 1)

restrict disclosure of said Information solely to those employees of GSG or Bell Atlantic with a need to know such Information in order to complete GSG's work under the GSG/Bell Atlantic Contract, and not disclose said Information to any other persons;

- 2 -

- advise all persons given access to the Information of the obligation for protecting the confidentiality of said Information; and
- use a degree of care appropriate for the protection of confidential or proprietary Information.
- d. All Information disclosed by Bell Atlantic to Employee shall be returned by Employee to GSG or to Bell Atlantic upon request, or upon termination or cancellation of the GSG/Bell Atlantic Contract.
- e. The obligations imposed herein shall not apply to Information which becomes available to the public through no wrongful act of Employee or its employer.

### 2. DEVELOPED INFORMATION

a.

2)

Employee agrees that it will disclose and furnish promptly to GSG and Bell Atlantic any and all technical information, computer or other apparatus programs, specifications, drawings, records, documentation, works of authorship or other creative works, ideas, knowledge or data, written, oral or otherwise expressed, originated or developed by Employee as a result of work performed in connection with the GSG/Bell Atlantic contract (herein "Developed Information"). Bell Atlantic shall have perpetual and exclusive use and ownership, including copyrights, of all such Developed Information. In order to effectuate the foregoing, it is expressly understood and acknowledged that Employee's work hereunder is specially ordered by Bell Atlantic and is to be a work made for hire under the U.S. copyright laws. any and all rights, title and interest which Employee, may have in such Developed Information, including any copyright, trademark, trade secret, or other proprietary rights, under the laws of the United States or of any other jurisdiction, are hereby irrevocably assigned by Employee to the Bell Atlantic, in perpetuity. Employee agrees to assist and cooperate with the Bell Atlantic, and to execute all appropriate documents, to protect Bell Atlantic's rights in the Developed Information.

Employee further agrees to acquire such assignments, rights and covenants as are prudent to assure that Bell Atlantic shall receive the rights provided for herein, it being understood that Bell Atlantic may desire to copyright, patent, and/or market, in whole or in part or in conjunction with other information, the Developed Information.







FRO . BE-TP (783)374-8619

12. 3.1993 19:17

f. 3

#### APPENDIX C

AGREEMENT CONCERNING DEVELOPMENT AND DISCLOSURE OF INFORMATION

This Agreement is made this 21<sup>14</sup> day of <u>March</u> 1989 by and between General Systems Group, Inc. (herein "GSG) and the undersigned individual or company (herein "contractor").

#### WITNESSETH:

WHEREAS, GSG has agreed to provide to Bell Atlantic Network Services, Inc. (herein "Bell Atlantic") certain consulting ser-vices relating to the investigation of techniques for introducing broadband Integrated Services Digital Network capabilities, as described more fully in an agreement between GSG and Bell Atlan-tic (herein "the GSG/Bell Atlantic Contract"); and

WHEREAS, Contractor has agreed with GSG to assist GSG in performing GSG's obligations under the GSG/Bell Atlantic Contract and has agreed to be bound by the terms and conditions of the GSG/Bell Atlantic Contract; and

WHEREAS, in connection with work on the GSG/Bell Atlantic Contract GSG or Bell Atlantic may find it beneficial to disclose to Contractor certain confidential and proprietary information belonging to GSG or Bell Atlantic;

NOW, THEREFORE, it is hereby understood and agreed as follows:

### 1. NON-DISCLOSURE

- The term "Information" as used in this Agreement means all specifications, drawings, sketches, models, samples, reports, plans, forecasts, current and historic data, coma., puter programs or documentation, or other technical or busi-ness information obtained, directly or indirectly, by con-tractor from GSG or from Sell Atlantic in connection with Contractor's work on the GSG/Bell Atlantic Contract.
- Unless GSG or Bell Atlantic acknowledges in writing h. contrary, all Information, as defined herein, shall remain the property of GSG or Bell Atlantic and shall, be presumed to be confidential and proprietary and will be so treated by
- With respect to said Information, Contractor shall: C.
  - use said Information only for purposes directly rate to to work under the GSG/Bell Atlantic Contract, 0 11 to work under the GSG/BELL ALLAND STRUCTURE STRUCTURE STRUCTURE OF Said Information solely tecopose

2)

**REEL: 028978 FRAME: 0242** 

Exhibit

MAR 3 1 1989 .

FRUM ER-TP (703)974-0619

12. 3.1993 19118

P. 4

amployees of GSG or Bell Atlantic with a need to know such Information in order to complete GSG's work under the GSG/Bell Atlantic Contract, and not disclose said Information to any other persons;

- 3) advise all persons given access to the Information of the obligation for protecting the confidentiality of said Information; and
- use a degree of care appropriate for the protection of confidential or proprietary Information.
- d. All Information disclosed by Bell Atlantic to Contractor shall be returned by Contractor to GSG or to Bell Atlantic upon request, or upon termination or cancellation of the GSG/Bell Atlantic Contract.

- 2 -

- c. The obligations imposed herein shall not apply to Information which becomes available to the public through no wrongful act of Contractor or its employer.
- 2. DEVELOPED INFORMATION

а.

Contractor agrees that it will disclose and furnish promptly to GSG and Bell Atlantic any and all technical information, computer or other apparatus programs, specifications, drawings, records, documentation, works of authorship or other creative works, ideas, knowledge or data, written, oral or otherwise expressed, originated or developed by Contractor as a result of work performed in connection with the GSG/Bell Atlantic contract (herein "Developed Information"). Bell Atlantic shall have perpetual and exclusive use and consership, including copyrights, of all such Developed Information. In order to effectuate the foregoing, it is expressly understood and acknowledged that Contractor's work hereunder is specially ordered by Bell Atlantic and is to be a work made for hire under the U.S. copyright laws. any and all rights, title and interest which Contractor, its employees, agents, or subcontractors, may have in such Developed Information, including any copyright, trademark, trade secret, or other proprietary rights, under the laws of the United States or of any other jurisdiction, are hereby irrevocably assigned by Contractor to the Bell Atlantic, in perpetuity. Contractor agrees to assist and cooperate with the Bell Atlantic, and to execute all appropriate documents, to protect Bell Atlantic's rights in the Developed Information.

Contractor further agrees to acquire from its associates, employees, subcontractors or agents such assignments, rights and covenants as are prudent to assure that Bell Atlantic shall receive the rights provided for herein, it being understood that Bell Atlantic may desire to copyright, patent, and/or market, in whole or in part or in conjunction with other information, the Developed Information.

12. 3.1993 19:19 FTOM BA-1P (703)974-0819 ×, 5 ~ 3 .... Contractor further agrees to proceed, at Bell Atlantic's expense, with any assignments, covenants, or other actions necessary to assure that Bell Atlantic receives the rights provided for in this DEVELOPED INFORMATION clause, it being understood that Bell Atlantic may desire to copyright, patent and/or market, in whole or in part or in conjunction with other information, the results of the GSG/Bell Atlantic Contract. b. Contractor further agrees that all Developed Information shall be subject to the confidentiality provisions set forth in paragraph 1.c. above. с. CONTRACTOR CENERAL SYSTEMS GROUP, INC. Meichun Hsu BY: And DATE: 3-21-49 DATE: 3-21-89 PATENT REEL: 028978 FRAME: 0244 9.11.1992 16:21

P. 9

#### APPENDIX C

AGREEMENT CONCERNING DEVELOPMENT AND DISCLOSURE OF INFORMATION

This Agreement is made this  $21^{57}$  day of March, 1989 by and between General Systems Group, Inc. (herein "GSG) and the undersigned individual (herein "employee").

#### witnesseth:

WHEREAS, GSG has agreed to provide to Bell Atlantic Network Services, Inc. (herein "Bell Atlantic") certain consulting services relating to the investigation of techniques for introducing broadband Integrated Services Digital Network capabilities, as described more fully in an agreement between GSG and Bell Atlantic effective March 15, 1989 (herein "the GSG/Bell Atlantic Contract"); and

WHEREAS, Employee has agreed with GSG to assist GSG in performing GSG's obligations under the GSG/Bell Atlantic Contract and has agreed to be bound by the terms and conditions of the GSC/Bell Atlantic Contract; and

WHEREAS, in connection with work on the GSG/Bell Atlantic Contract GSG or Bell Atlantic may find it beneficial to disclose to Employee certain confidential and proprietary information belonging to GSG or Bell Atlantic;

NCW, THEREFORE, it is hereby understood and agreed as follows:

#### 1. NON-DISCLOSURE

FROM BA-TF 783 974-0613

- a. The term "Information" as used in this Agreement means all specifications, drawings, sketches, models, samples, reports, plans, forecasts, current and historic data, computer programs or documentation, or other technical or business information obtained, directly or indirectly, by Employee from GSG or from Bell Atlantic in connection with Employee's work on the GSG/Bell Atlantic Contract.
- b. Unless GSG or Bell Atlantic acknowledges in writing to the contrary, all Information, as defined herein, shall remain the property of GSG or Bell Atlantic and shall be presumed to be confidential and proprietary and will be so treated by Employee.

c. With respect to said Information, Employee shall:

1) use said Information only for purposes directly related to work under the GSG/Bell Atlantic Contract;

General Systems Group, Inc.

PATENT REEL: 028978 FRAME: 0245 9.11.1992 16:21

P.18

2) restrict disclosure of said Information solely to those employees of GSG or Bell Atlantic with a need to know such Information in order to complete GSG's work under the GSG/Bell Atlantic Contract, and not disclose said Information to any other persons;

- 2 -

- 3) advise all persons given access to the Information of the obligation for protecting the confidentiality of said Information; and
- use a degree of care appropriate for the protection of confidential or proprietary Information.
- d. All Information disclosed by Bell Atlantic to Employee shall be returned by Employee to GSG or to Bell Atlantic upon request, or upon termination or cancellation of the GSG/Bell Atlantic Contract.
- e. The obligations imposed herein shall not apply to Information which becomes available to the public through no wrongful act of Employee or its employer.
- 2. DEVELOPED INFORMATION

FROM 94-75 703 974-8513

٦,

a. Employee agrees that it will disclose and furnish promptly to GSG and Bell Atlantic any and all technical information, computer or other apparatus programs, specifications, drawings, records, documentation, works of authorship or other creative works, ideas, knowledge or data, written, oral or otherwise expressed, originated or developed by Employee as a result of work performed in connection with the GSG/Bell Atlantic contract (herein "Developed Information"). Bell Atlantic shall have perpetual and exclusive use and ownership, including copyrights, of all such Developed Information. In order to effectuate the foregoing, it is expressly understood and acknowledged that Employee's work hereunder is specially ordered by Bell Atlantic and is to be a work made for hire under the U.S. copyright laws. any and all rights, title and interest which Employee, may have in such Developed Information, including any copyright, trademark, trade secret, or other proprietary rights, under the laws of the United States or of any other jurisdiction, are hereby irrevocably assigned by Employee to the Bell Atlantic, in perpetuity. Employee agrees to assist and cooperate with the Bell Atlantic, and to execute all appropriate documents, to protect Bell Atlantic's rights in the Developed Information.

Employee further agrees to acquire such assignments, rights and covenants as are prudent to assure that Bell Atlantic shall receive the rights provided for herein, it being understood that Bell Atlantic may desire to copyright, patent, and/or market, in whole or in part or in conjunction with other information, the Developed Information.

General Systems Group, Inc.

PATENT REEL: 028978 FRAME: 0246 9.11.1992 16:22

P.11

b. Employee further agrees to proceed, at Bell Atlantic's expense, with any assignments, covenants, or other actions necessary to assure that Bell Atlantic receives the rights provided for in this DEVELOPED INFORMATION clause, it being understood that Bell Atlantic may desire to copyright, patent and/or market, in whole or in part or in conjunction with other information, the results of the GSG/Bell Atlantic Contract.

~ 3 -

c. Employee further agrees that all Developed Information shall be subject to the confidentiality provisions set forth in paragraph 1.c. above.

EMPLOYEE DATE

FROM BA-TP 763 974-8613

GENERAL\_SYSTEMS GROUP, TNC Imill BY: DATE:

General Systems Group, Inc.

PATENT REEL: 028978 FRAME: 0247

**RECORDED: 09/18/2012**