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Name (line 1) Makio Nomura

Execution Date
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Name (line 1) Ishizuka Garasu Kabushiki Kaisha

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Address (line 1) 11-15, Takatsuji-Cho, Showa-Ku,

Address (line 2) Nagoya-shi, Aichi

Address (line 3) Japan

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Donald E. Townsend, Esq., c/o Townsend & Banta

Address (line 1) 1225 Eye Street, N. W., Suite 500

Address (line 2) Washington, D. C. 20005, USA

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Correspondent Name and Address

Area Code and Telephone Number 202-682-4727

Name Donald E. Townsend, Esq., Townsend & Banta

Address (line 1) 1225 Eye Street, N. W., Suite 500

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Donald E. Townsend
Name of Person Signing

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12/22/00
Date

SOLE/JOINT INVENTION
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ASSIGNMENT

SUG-012-USA-P

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:
ANTIBACTERIAL PROPERTY IMPARTING GLASS COMPOSITION, ANTIBACTERIAL FIBER, ANTIBACTERIAL TWISTED
YARN AND ANTIBACTERIAL CLOTH (Title of Invention)

for which I/We executed an application for United States Letters Patent concurrently herewith or filed an application for
 United States Letters Patent on _____, 19____ (Serial No. _____); and

WHEREAS, ISHIZUKA GARASU KABUSHIKI KAISHA
 (Full Name of Assignee)

a corporation of JAPAN
 (Country of Incorporation)

whose post office address is 11-15, TAKATSUJI-CHO, SHOWA-KU, NAGOYA-SHI, AICHI JAPAN

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the
 application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby
 acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set
 over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and
 this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted
 thereon, and all reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the
 United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms
 of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with
 assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding,
 sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect
 the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue
 applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain
 and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to
 the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR MAKIO NOMURA	ASSIGNOR'S SIGNATURE <i>Makio Nomura</i>	DATE Dec. 19, 2000
ADDRESS c/o ISHIZUKA GARASU KABUSHIKI KAISHA, 11-15, TAKATSUJI-CHO, SHOWA-KU, NAGOYA-SHI, AICHI JAPAN		CITIZENSHIP JAPAN
2. FULL NAME OF SECOND ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP
3. FULL NAME OF THIRD ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP
4. FULL NAME OF FOURTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP
5. FULL NAME OF FIFTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP
6. FULL NAME OF SIXTH ASSIGNOR, IF ANY	ASSIGNOR'S SIGNATURE	DATE
ADDRESS		CITIZENSHIP

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