

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Lawrence D. Knox</td><td>01/28/2004</td></tr><tr><td>Neal M. Lackritz</td><td>01/29/2004</td></tr><tr><td>James A. Parison</td><td>01/29/2004</td></tr><tr><td>William R. Short</td><td>01/29/2004</td></tr></tbody></table>	Name	Execution Date	Lawrence D. Knox	01/28/2004	Neal M. Lackritz	01/29/2004	James A. Parison	01/29/2004	William R. Short	01/29/2004	
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William R. Short	01/29/2004										
RECEIVING PARTY DATA											
Name:	Bose Corporation										
Street Address:	The Mountain										
City:	Framingham										
State/Country:	MASSACHUSETTS										
Postal Code:	01701										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11608622</td></tr></tbody></table>	Property Type	Number	Application Number:	11608622							
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Application Number:	11608622										
CORRESPONDENCE DATA											
Fax Number:	(617)542-8906										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	byb@fr.com										
Correspondent Name:	David Feigenbaum										
Address Line 1:	225 Franklin Street										
Address Line 4:	Boston, MASSACHUSETTS 02110										
ATTORNEY DOCKET NUMBER:	02103-377004										
NAME OF SUBMITTER:	Brooke Benjamin										
Total Attachments: 5 source=assignment#page1.tif source=assignment#page2.tif											

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ASSIGNMENT

For valuable consideration, we, LAWRENCE D. KNOX of Hopkinton, MA, NEAL M. LACKRITZ of Southboro, MA, JAMES A. PARISON of New Ipswich, NH, and WILLIAM R. SHORT of Southboro, MA, hereby assign to Bose Corporation, a corporation of Delaware having a place of business at:

The Mountain
Framingham, Massachusetts 01701-9168
United States of America; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled SURFACE VEHICLE VERTICAL TRAJECTORY PLANNING, filed July 28, 2003, and assigned U.S. Serial Number 10/629,243, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for us and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Framingham, MA,
this 28th day of January, 2004.
Lawrence D. Knox L.S.
LAWRENCE D. KNOX

State of Massachusetts :
: ss.
County of Middlesex :

Before me this 28th day of January, 2004, personally appeared
LAWRENCE D. KNOX known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

Dorinda M. Griffin
Notary Public

My Commission Expires:

8/21/09

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Framingham, MA,
this 29 day of January, 2004.
Neal M. Lackritz L.S.
NEAL M. LACKRITZ

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 29th day of January, 2004, personally appeared
NEAL M. LACKRITZ known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

Donna M. Gifford
Notary Public

My Commission Expires:

8/21/09

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Framingham MA,
this 29th day of January, 2004.
James A. Parison L.S.
JAMES A. PARISON

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 29th day of January, 2004, personally appeared
JAMES A. PARISON known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

Diana M. Gifford
Notary Public

My Commission Expires: 8/21/09

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Framingham, MA,
this 29 day of January, 2004.
William R. Short L.S.
WILLIAM R. SHORT

State of Massachusetts :

: ss.

County of Middlesex :

Before me this 29th day of January, 2004, personally appeared
WILLIAM R. SHORT known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.

Deanna M. Gifford
Notary Public

My Commission Expires: 8/21/09

[Notary's Seal Here]

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