

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Ryoji YANAGI</td><td>02/02/2009</td></tr><tr><td>Hitoshi FUJIWARA</td><td>01/29/2009</td></tr></tbody></table>	Name	Execution Date	Ryoji YANAGI	02/02/2009	Hitoshi FUJIWARA	01/29/2009			
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RECEIVING PARTY DATA									
<table border="1"><tr><td>Name:</td><td>JAPAN AEROSPACE EXPLORATION AGENCY</td></tr><tr><td>Street Address:</td><td>44-1, Jindaiji-Higashimachi 7-chome</td></tr><tr><td>City:</td><td>Chofu-shi, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>	Name:	JAPAN AEROSPACE EXPLORATION AGENCY	Street Address:	44-1, Jindaiji-Higashimachi 7-chome	City:	Chofu-shi, Tokyo	State/Country:	JAPAN	
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PROPERTY NUMBERS Total: 1									
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Property Type	Number								
Application Number:	12392203								
CORRESPONDENCE DATA									
Fax Number: (202)822-1111 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone: 2028221100									
Email: PatentMail@Whdapatentlaw.com									
Correspondent Name: Westerman, Hattori, Daniels & Adrian LLP									
Address Line 1: 1250 Connecticut Avenue NW,									
Address Line 2: Suite 700									
Address Line 4: Washington,, DISTRICT OF COLUMBIA 20036									
ATTORNEY DOCKET NUMBER:	090195								
NAME OF SUBMITTER:	Ken-Ichi Hattori								
Total Attachments: 1 source=090195_Assignment#page1.tif									

OP \$40.00 12392203

U.S. ASSIGNMENT(Insert ASSIGNEE's
Name(s) Address(es))

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by
**JAPAN AEROSPACE EXPLORATION AGENCY of 44-1, Jindaiji-Higashimachi 7-chome
Chofu-shi, Tokyo, Japan**

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned
ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title
and interest to the invention entitled

(Title of Invention)

HIGH BYPASS-RATIO TURBOFAN JET ENGINE

(*If the assignment is
being filed after the
filing of the
application, this
section must be
completed)

for which application for Letters Patent of the United States was executed on even date herewith
unless otherwise indicated below:

* filed on _____ Serial No. _____

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code,
serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any
continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for
which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any
continuation, divisional, reissue or reexamination applications thereof and also to execute separate
assignments in connection with such applications as the ASSIGNEE may deem necessary or
expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference,
litigation, or other legal proceeding which may be declared concerning this application or any
continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued
thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing
evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their
signature(s).

(Signatures)

<u>柳 良二</u> (Signature)	<u>Ryoji YANAGI</u> (Type Name)	<u>2/2/2009</u> (Date)
<u>藤原 仁志</u> (Signature)	<u>Hitoshi FUJIWARA</u> (Type Name)	<u>29/01/2009</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED