

## PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
Takayuki TAKEUCHI	10/17/2007
Ken HANASHI	10/17/2007

## RECEIVING PARTY DATA

Name:	DENSO CORPORATION
Street Address:	1-1, Showa-cho
City:	Kariya-city, Aichi-pref.
State/Country:	JAPAN
Postal Code:	448-8661

Name:	NIPPON SOKEN, INC.
Street Address:	14, Iwaya, Shimohasumi-cho
City:	Nishio-city, Aichi-pref.
State/Country:	JAPAN
Postal Code:	445-0012

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11877913

## CORRESPONDENCE DATA

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PATENT  
REEL: 020006 FRAME: 0641

ATTORNEY DOCKET NUMBER:	2635-530
NAME OF SUBMITTER:	Larry S. Nixon
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

# ASSIGNMENT OF PATENT APPLICATION

(Inventors)      1) Takayuki TAKEUCHI  
                      2) Kon HANASHI  
                      3)  
                      4)  
                      5)  
                      6)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee)      1) DENSO CORPORATION, a corporation of Japan having a place of business at  
 (Address)      1-1, Showa-cho, Kariya-city, Aichi-pref. 448-8661 Japan

(Assignee)      2) NIPPON SOKEN, INC., a corporation of Japan having a place of business at  
 (Address)      14, Iwaya, Shimohasumi-cho, Nishio-city, Aichi-pref., 445-0012 Japan

(Other Countries)      (hereinafter designated as the Assignee) the undersigned's entire right, title and  
 (Title)      interest for the United States, its territories, dependencies and possessions, and for  
                      in the invention, and all application for patent and any Letters Patent which may be  
                      granted therefore, known as

SPARK PLUG WITH STREAM SHAPER TO SHAPE TUMBLE VORTEX  
 INTO DESIRED STREAM IN COMBUSTION CHAMBER

for which the undersigned has (have) executed on even date herewith an application  
 for patent in the United States of America or, if not on even date, then has executed  
 on October 17, 2007 or has already filed in  
 U.S. appln. Serial No. 11/877,913, filed on October 24, 2007  
 The undersigned acknowledges an obligation of assignment of this invention to said  
 assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date October 17, 2007 Signature of inventor

Takayuki Takeuchi  
Takayuki Takeuchi

Date October 17, 2007 Signature of inventor

Ken Hanashi  
Ken Hanashi

Date \_\_\_\_\_ Signature of inventor

Date \_\_\_\_\_ Signature of inventor

Date \_\_\_\_\_ Signature of inventor

Date \_\_\_\_\_ Signature of inventor

Witnessed by:

Tsutomu Hirano

Date

October 17, 2007

Witnessed by:

T.Y. October 17, 2007

Taiji Yotoyama

Date

October 17, 2007

Witnessed by:

Date

Witnessed by:

Date