

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

5-88585

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#### Conveyance Type

- Assignment
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Name (line 1)	<input type="text" value="CALIFORNIA INSTITUTE OF TECHNOLOGY"/>	Execution Date	<input type="text" value="4/25/1997"/>
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**PATENT**

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FORM PTO-1619B  
Expires 06/30/99  
OMB 0851-0027

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5,797,443"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
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**Number of Properties**

Enter the total number of properties involved.

#

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed  Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes  No

**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Brenda K. Banks

*Brenda K. Banks*

*7/5/05*

Name of Person Signing

Signature

Date

PATENT

08/720,483

Patent Application Filed in  
the Name of the Contractor

### CONFIRMATORY LICENSE

**Title:** Method of Casting Articles of a Bulk-Solidifying Amorphous Alloy

**Inventor(s):** William L. Johnson et al.  
**Contract Number:** DE-FG03-86ER45242  
**Contractor:** California Institute of Technology

**DOE Docket No.:** S-88,585 (RL-14003)  
**Contractor Docket No.:** CIT 2541  
**U.S. Patent Application:** S.N.: 08/720,483  
**Filing Date:** September 30, 1996  
**U.S. Patent Number:**  
**Issue Date:**

Foreign patent applications filed or intended to be filed at contractor's expense in (countries):

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated 4/30/97.

WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

ACCORDINGLY, the Contractor hereby confirms that under the provisions of the above-identified contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the above-identified invention, the above-identified patent application(s), and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

Signed on behalf of: California Institute of Technology  
(Contractor)

Witness: Diana C. Rentz  
(Signature)

By: Michael L. Keller 4/25/97  
(Contractor Official's Signature) (Date)

Diana C. Rentz  
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