

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Winfried Esser	03/16/2012
RECEIVING PARTY DATA	
Name:	Siemens Aktiengesellschaft
Street Address:	Wittelsbacherplatz 2
City:	Munich
State/Country:	GERMANY
Postal Code:	80333
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13502451
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ATTORNEY DOCKET NUMBER:	2008P03918WOUS
NAME OF SUBMITTER:	Barbara Quinn
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

CH \$40.00 13502451

## ASSIGNMENT

For good and valuable consideration, I/we, the undersigned

**Dr. Winfried ESSER**

residing at:

**Am geraden Weg 39  
44805 Bochum,  
GERMANY**

**Citizenship: DE**

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft a German corporation organized and existing under the laws of GERMANY having its (their) principal place of business in München; GERMANY	a German corporation organized and existing under the laws of having its (their) principal place of business in ;
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hereinafter the "Assignee(s)", its (their) successor(s), assigns and legal representatives the entire and exclusive right, title and interest in and for the United States and for any of the Contracting States bound by the PCT on the international filing date, in all and to any improvements which are disclosed in the PCT international application for Letters Patent designating the United States and any of the Contracting States bound by the PCT on the international filing date, said application being identified in our records as

Applicants File No. 2008P03918WOUS

and filed as PCT-application PCT/EP2009/063737

and entitled

(Title:) ALLOY FOR DIRECTIONAL SOLIDIFICATION AND COMPONENT MADE OF STEM-SHAPED CRYSTALS

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and any of the Contracting States bound by the PCT on the international filing date on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any

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and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee(s), its (their) successor(s), assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee(s), its (their) successor(s), assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee(s), its (their) successor(s), assigns, and legal representatives; and hereby covenant with said Assignee(s), its (their) successor(s), assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 2012.03.16

Winfried Esser  
Dr. Winfried ESSER

Witnesses: [Signature]

Witnesses: [Signature]

(printed name: M. Ott)

(printed name: Rudolf Küperkoch)