

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nicole Breidenassel	09/05/2011
Guenther Hoetzl	06/29/2011
Fabian Reingruber	06/27/2011
RECEIVING PARTY DATA	
Name:	OSRAM Gesellschaft mit beschraenkter Haftung
Street Address:	Hellabrunner Str. 1
City:	Muenchen
State/Country:	FEDERAL REPUBLIC GERMANY
Postal Code:	81543
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13148490
CORRESPONDENCE DATA	
Fax Number:	(617)849-5451
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Correspondent Name:	Viering, Jentschura & Partner - OSR
Address Line 1:	3770 Highland Ave.
Address Line 2:	Suite 203
Address Line 4:	Manhattan Beach, CALIFORNIA 90266
ATTORNEY DOCKET NUMBER:	P47386US
NAME OF SUBMITTER:	Karl J. Kolbinger

CH \$40.00 13148490

Total Attachments: 6

501675397

**PATENT
 REEL: 026986 FRAME: 0823**

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ASSIGNMENT

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

Dr. Nicole BREIDENASSEL
residing at:
~~Bischof-Konrad-Str. 2a~~
~~93051 Regensburg,~~ *Elsterweg 4a*
GERMANY *93077 Bad Abbach*

Guenter HOETZL
residing at:
Scharnhorststr. 32
93049 Regensburg,
GERMANY

Fabian REINGRUBER
residing at:
Reichenbachstr. 9
80469 München,
GERMANY *see NB*
15.9.11

hereby sell, assign, and transfer to

OSRAM Gesellschaft mit beschränkter Haftung
a German corporation
organized and existing under the laws of GERMANY
having its (their) principal place of business in München; GERMANY

herein 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 in the

(Title:) **Cooling element for a lighting device**

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. 2008P23843WOUS
and filed as PCT-application PCT/EP2010/051512

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

IDNR: 4248 / 06.06.2007

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 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: 5.09.2011

Nicole Breidenassel
Dr. Nicole BREIDENASSEL

Witnesses: [Signature]

Witnesses: [Signature]

(printed name: A. Breidenassel)

(printed name: Markus Hofmann)

Date: _____

Guenter HOETZL

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: _____

Fabian REINGRUBER

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

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PATENT
REEL: 026986 FRAME: 0827

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Date: _____

Dr. Nicole BREIDENASSEL

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: 29.06.2011

Guenter Hoetzl
Guenter HOETZL

Witnesses: P. J. Z.

Witnesses: Hagen Luckner

(printed name: Preuschl Thomas)

(printed name: Hagen Luckner)

Date: _____

Fabian REINGRUBER

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

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Date: _____

Dr. Nicole BREIDENASSEL

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(printed name: _____)

(printed name: _____)

Date: _____

Guenter HOETZL

Witnesses: _____

Witnesses: _____

(printed name: _____)

(printed name: _____)

Date: 27.06.11



Fabian REINGRUBER

Witnesses: Otzer

Witnesses: Kleemann

(printed name: Otzer Stefan)

(printed name: Kleemann Bernhard)