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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SVEN VOIGT	01/25/2016
STEFFEN ZIMMERMANN	01/26/2016

RECEIVING PARTY DATA

Name:	NORTHROP GRUMMAN LITEF GMBH	
Street Address:	LOERRACHER STR. 18	
City:	FREIBURG	
State/Country:	GERMANY	
Postal Code:	79115	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14903914

CORRESPONDENCE DATA

Fax Number: (216)621-4072

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 216.621.2234 Email: rkline@tarolli.com

Correspondent Name: TAROLLI, SUNDHEIM, COVELL & TUMMINO

Address Line 1: 1300 EAST 9TH STREET

Address Line 2: **SUITE 1700**

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER:	NG(LTF)025235 US PCT	
NAME OF SUBMITTER:	CHRISTOPHER P. HARRIS	
SIGNATURE:	/Christopher P Harris/	
DATE SIGNED:	03/21/2016	

Total Attachments: 2

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> **PATENT REEL: 038049 FRAME: 0378** 503745935

Attorney Docket Number: 1046-0009 / 66459

ASSIGNMENT

For good and valuable consideration, I.

Sven Voigt, a citizen of Germany, residing at Haege 14, 79111 Freiburg, Germany, and

Steffen Zimmermann, a citizen of Germany, residing at Auf der Ziegelbreite 3, 79331 Teningen, Germany;

hereinafter collectively referred to as "Assignor";

hereby sell, assign and transfer to Northrop Grumman LITEF GmbH having its principal place of business at Loerracher Str. 18, 79115 Freiburg, Germany hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

as PCT International application No. PCT/EP2014/001788 filed on 30 June 2014

entitled: Integrated Optical Coupler and Fibre-Optic System Having Such an **Integrated Optical Coupler**

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 all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignce may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, 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, its successors, 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, its successors, 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, its successors, assigns and legal representatives; and

Covenant with said Assignee, it successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: Sven Voisi

DATE: 25.01.2016

Attorney Docket Number: 1046-0009 / 66459

SIGNATURE JAL PLUMUM DATE: 26,01,2016

PATENT REEL: 038049 FRAME: 0380

RECORDED: 03/21/2016