

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DETLEF LAST	12/07/2016
LORENZ SEIDL	12/07/2016
ROLF RUCKDESCHEL	12/07/2016
RECEIVING PARTY DATA	
Name:	TRW AIRBAG SYSTEMS GMBH
Street Address:	WERNHER-VON-BRAUN-STR. 1
City:	ASCHAU AM INN
State/Country:	GERMANY
Postal Code:	D-84544
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15368778
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	TRW(AS)026250-ORD
NAME OF SUBMITTER:	MATTHEW M. SHAHEEN
SIGNATURE:	/Matthew M. Shaheen/
DATE SIGNED:	12/09/2016
Total Attachments: 2	
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ASSIGNMENT

WHEREAS,

Detlef Last, Hans-Gollwitzer-Str. 11, 84453 Mühldorf, GERMANY,
Lorenz Seidl, Lärchenweg 2, 83562 Rechtmehring, GERMANY, and
Rolf Ruckdeschel, Bgm.-Kamhuber-Str. 6, 84331 Heidenstein, GERMANY;

have made new and useful improvements in **HYBRID INFLATOR AND VEHICLE SAFETY SYSTEM COMPRISING SAID HYBRID INFLATOR AS WELL AS METHOD OF FORMING A SHOCK WAVE**; for which application for Letters Patent of the United States has been filed on December 5, 2016 under Serial No. 15/368,778; and

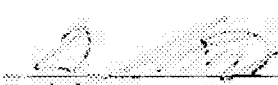
WHEREAS, TRW Airbag Systems GmbH, a corporation duly organized and existing under the laws of the Federal Republic of Germany, having a place of business at Wernher-von-Braun-Str. 1, D-84544 Aschau am Inn, Federal Republic of Germany, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we, Detlef Last, Lorenz Seidl, and Rolf Ruckdeschel the said, do hereby assign, sell and set over unto the said TRW Airbag Systems GmbH, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 15/368,778 for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said TRW Airbag Systems GmbH, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said TRW Airbag Systems GmbH, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said TRW Airbag Systems GmbH, its successors or assigns.

Executed this

02

day of Dec., 2016.


Detlef Last

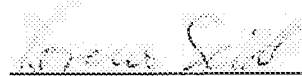
Witnessed:



Name:
Executed this

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day of Dec, 2016.


Lorenz Seidl

Witnessed:


Name:

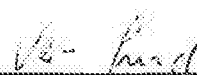
Executed this

27

day of Dec, 2016.


Rolf Ruckdeschel

Witnessed:


Name: