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OMB No. 0651-0011



U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or thereof.

JCE79 U.S. PTO
10/042613

01/09/02

1. Name of conveying party(ies)
Kenneth V. Puglia
Additional name(s) of conveying party(ies)
Attached? [] Yes [X] No

01/09/02

2. Name and address of receiving party(ies)
Name: TYCO ELECTRONICS CORPORATION
Street Address: 2901 Fulling Mill Road
City: Middletown State: Pennsylvania Zip: 17057
Country: United States
Additional name(s) & address(es) attached? [] Yes [X] No

3. Nature of conveyance:
[X] Assignment [] Merger
[] Security Agreement [] Change of Name
[] Other
Execution Date: January 3, 2002

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: January 3, 2002
A. Patent Application No.(s) B. Patent No.(s)
Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:
Weingarten, Schurgin,
Gagnebin & Lebovici LLP
Ten Post Office Square
Boston, Massachusetts 02109

6. Total number of applications and patents
Involved [1]
7. Total fee (37 CFR 3.41)....\$ 40.00
[X] Enclosed
[] Authorized to be charged to deposit account
8. Deposit account number:
(Attach duplicate copy of this page if paying by deposit account)

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9. 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.

Attorney Name: Stanley M. Schurgin
Registration No. 20,979

Signature:

Date:

1/9/02

Total number of pages including cover sheet, attachments, and document: [3]

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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TYCO-015XX

01/22/2002 TDIAZ1 00000086 10042613

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40.00 DP

Express Mail Number

EX 009952397 US

PATENT
REEL: 012476 FRAME: 0978

ASSIGNMENT

I, Kenneth V. Puglia,

who resides at 146 Westview Drive, Westford, Massachusetts 01886

have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled

SENSOR FRONT-END FOR VEHICLE CLOSING VELOCITY SENSOR

which application was executed by the inventor on the date of execution of this assignment, and is identified by Attorney Docket Number TYCO-015XX,

and Tyco Electronics Corporation

whose address is 2901 Fulling Mill Road, Middletown, PA 17057

and which, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my/our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other

governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs and legal representatives, as well as myself, to do, upon Assignee's request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me or my heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs or legal representatives and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature, hereinbelow.

In testimony whereof I have affixed my signature.

Robert Patukans JAN 3, 2002
(Witness) (Date)

Kenneth V. Puglia 03-JAN-02
Kenneth V. Puglia (Date)

[Signature] 1/3/02
(Witness) (Date)

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