01-24-2002 **FORM PTO-1595** U.S. Department of Commerce **Patent and Trademark Office** TID-29644 To the Assistant Commissioner for Patents. Please record the attached Union y thereof. 1. Name of conveying party(ies): 2. Name and Address of receiving party(ies): (1) Ulrich KAISER TEXAS INSTRUMENTS Deutschland GmbH Haggertystrasse 1 (2) Ralph OBERHUBER 85356 Freising **GERMANY** (3) Texas Instruments Deutschland, GmbH Additional name(s) & address(es) attached? ____ Yes _X_ No 3. Nature of Conveyance: X Assignment Merger _ Security Agreement Change of Name Other _ Execution Date: Kaiser, 08/06/2001; Oberhuber, 08/06/2001; Texas Instruments Deutschland, GmbH, 08/08/2001 4. Application number(s) or patent number(s). Execution date of the application: 08/06/2001 Title: Circuit Assembly for doubling the Voltage of a Battery Docket No: TID-29644 B. Patent No.(s) A. Patent Application No.(s) s.N. **09/898,343** Additional numbers attached? _____ Yes __X_ No Additional numbers attached? ____ Yes __X_ No 6. Number of applications and patents involved: ____(1)____ 5. Name and address of party to whom correspondence concerning document should be mailed: Name: William B. Kempler, Reg. No. 28,228 Texas Instruments Incorporated P.O. Box 655474, MS 3999 Dallas, TX 75265 7. Amount of fee enclosed or authorized to be charged: \$40 8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account) DO NOT USE THIS SPACE L/24/20**0**2 AAHMED1 00000010 200668 09898343 40.00 CH 1 FC:58 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. William B. Kempler, Reg. No. 28,228 Person Signing Document

Total Number of Pages Including Cover Sheet, Attachments and Document: 3

PATENT

REEL: 012485 FRAME: 0986

ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS Deutschland GmbH (hereinafter TID), a German company of Haggertystrasse 1, 85356 Freising, Germany, as unlimited claimant under German Law relating to inventions of employees, owns all rights in an invention as set forth below including the right to apply for legal protection in Germany and all other countries, and has filed application for patent in Germany in respect of said invention, as identified below:

WHEREAS, the or each below named inventor (hereinafter INVENTOR) is the or an inventor of the said invention;

WHEREAS, TID, is desirous of acquiring the entire right, title and interest of INVENTOR in and to the said invention outside of Germany, and in and to patent applications filed and any Letters Patent that may issue thereon outside of Germany;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment, INVENTOR sells and assigns to the said TEXAS INSTRUMENTS Deutschland GmbH, its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and all other countries outside Germany; in and to the U.S. patent application as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the right to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

INVENTOR hereby authorizes and requests the Commissioner of Patents to issue U.S. patents for said invention, or U.S. patents resulting therefrom, insofar as the interest of **INVENTOR** is concerned, to the said **TEXAS INSTRUMENTS Deutschland GmbH**, as assignee of the entire right, title and interest.

INVENTOR further agrees to communicate to TID or to its successors, assigns and legal representatives, any facts known to INVENTOR respecting the said invention, and at the expense of TID, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally do everything possible to aid said TID, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside Germany.

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Circuit Assembly for Doubling the Voltage of a Battery

Title of Invention

Ralph Oberhuber

OG. August 7001

Date

Address

Ahornstr. 2, 84036 Kumhausen, Germany

Ulrich Kaiser and Ralph Oberhuber

inventors

German Patent Application No.: 100 32 260.3 Filed: 03 July 2000

U.S. Application Serial No.: 09/898,343 Filed: 03 July 2001

IN WITNESS WHEREOF this Assignment has been executed as set forth below:

Executed for and on behalf of TEXAS INSTRUMENTS DEUTSCHLAND, GmbH and by the INVENTORS: Obere Bohle 25, 59581 Warstein, Germany Address (2)

TID-29644

PATENT RECORDED: 01/11/2002 REEL: 012485 FRAME: 0988