

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Teuvo SUNTIO</td><td>06/20/2007</td></tr><tr><td>Ander TENNO</td><td>09/24/2007</td></tr><tr><td>Robert TENNO</td><td>09/24/2007</td></tr></tbody></table>		Name	Execution Date	Teuvo SUNTIO	06/20/2007	Ander TENNO	09/24/2007	Robert TENNO	09/24/2007
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<table border="1"><tr><td>Name:</td><td>HELSINKI UNIVERSITY OF TECHNOLOGY</td></tr><tr><td>Street Address:</td><td>P.O.B. 1000, FI-02015</td></tr><tr><td>City:</td><td>HUT</td></tr><tr><td>State/Country:</td><td>FINLAND</td></tr></table>		Name:	HELSINKI UNIVERSITY OF TECHNOLOGY	Street Address:	P.O.B. 1000, FI-02015	City:	HUT	State/Country:	FINLAND
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PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10497321</td></tr></tbody></table>		Property Type	Number	Application Number:	10497321				
Property Type	Number								
Application Number:	10497321								
CORRESPONDENCE DATA									
Fax Number: (703)205-8050 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	2164-0110PUS1								

CH \$40.00 10497321

500437145

PATENT
REEL: 020349 FRAME: 0925

NAME OF SUBMITTER:

Michael K. Mutter

Total Attachments: 4

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BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 10/497,321Filed 06/02/2004Insert Name(s)
of Inventor(s)

*** (Given Name FAMILY NAME (ALL CAPS)) ***

WHEREAS, Teuvo SUNTIO,Ander TENNO andRobert TENNOInsert Title
of Invention(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in
Method and apparatus for soft-sensor characterization
of batteries

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Application

on _____; and

Insert Name
of Assignee 1WHEREAS, HELSINKI UNIVERSITY OF TECHNOLOGYInsert Address
of Assignee 1of P.O.B. 1000, FI-02015 HUT, FINLANDInsert Name
of Assignee 2and, UNIVERSITY OF OULUInsert Address
of Assignee 2of P.O.B. 8000, FI-90014 University of Oulu, FINLANDInsert Name
of Assignee 3

and, _____

Insert Address
of Assignee 3

of _____

their heirs, successors, legal representatives and assigns (hereinafter designated as the Assignees) are desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE☐ in any foreign countries.

in equal undivided amounts unless specific undivided amounts are listed below:

OWNERSHIP
INTERESTAssignee 1 (50 %); Assignee 2 (50 %); Assignee 3 (0 %).

PATENT

REEL: 020349 FRAME: 0927

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignees in the specific undivided amounts listed above, or if not listed above, in equal undivided amounts, the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 20.6.2007

Name of Inventor

(signature) Teuvo SUNTIO

Date _____

Name of Inventor

(signature)

Date _____

Name of Inventor

(signature)

Date _____

Name of Inventor

(signature)

Date _____

Name of Inventor

(signature)

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>24.9.2007</u>	Name of Inventor <u>ATenno</u> (signature) Ander TENNO
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)

Attorney Docket No.

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Date <u>24.9.2007</u>	Name of Inventor <u></u> (signature) Robert TENNO
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)
Date _____	Name of Inventor _____ (signature)