

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>DAVID JOHN BUTTLE</td><td>04/27/2005</td></tr><tr><td>WILLIAM DALZELL</td><td>04/15/2005</td></tr><tr><td>PETER JOHN THAYER</td><td>04/15/2005</td></tr></tbody></table> | Name | Execution Date | DAVID JOHN BUTTLE | 04/27/2005 | WILLIAM DALZELL | 04/15/2005 | PETER JOHN THAYER | 04/15/2005 | |
| Name | Execution Date | | | | | | | | |
| DAVID JOHN BUTTLE | 04/27/2005 | | | | | | | | |
| WILLIAM DALZELL | 04/15/2005 | | | | | | | | |
| PETER JOHN THAYER | 04/15/2005 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | AEA TECHNOLOGY PLC | | | | | | | | |
| Street Address: | 329 HARWELL | | | | | | | | |
| City: | DIDCOT, OXFORDSHIRE | | | | | | | | |
| State/Country: | UNITED KINGDOM | | | | | | | | |
| Postal Code: | OX11 0QJ | | | | | | | | |
| 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>10535211</td></tr></tbody></table> | Property Type | Number | Application Number: | 10535211 | | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 10535211 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
| Fax Number: | (703)491-8444 | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | |
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| Correspondent Name: | William H Holt | | | | | | | | |
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| Address Line 4: | Woodbridge, VIRGINIA 22192 | | | | | | | | |
| NAME OF SUBMITTER: | William H Holt | | | | | | | | |
| Total Attachments: 2 source=10535211 Assgn#page1.tif source=10535211 Assgn#page2.tif | | | | | | | | | |

OP \$40.00 10535211

500058114

PATENT
REEL: 016713 FRAME: 0533

ASSIGNMENT OF PATENT

WHEREAS, WE David John BUTTLE
 William DALZELL and
 Peter John THAYER

residing at Wantage, Oxfordshire United Kingdom
 Winchester, Hampshire, United Kingdom and
 Oxford, Oxfordshire, United Kingdom respectively

have invented certain new and useful improvements in

Measurement of residual and thermally-induced stress in a rail

for which we have this day executed an application for United States Letters Patent;

AND WHEREAS AEA Technology plc
 329 Harwell
 Didcot
 Oxfordshire OX11 0QJ
 United Kingdom

(hereinafter called the "assignee") is desirous of acquiring the entire right, title and interest in and to said application and the inventions and improvements therein disclosed so far as the United States of America is concerned.

NOW THEREFORE in consideration of the sum of one pound sterling (£1) and other good and valuable consideration, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer and set over unto said assignee the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and any Letters Patent which may issue therefor in the United States and all divisions, re-issues, continuations, renewals and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, re-issues, continuations, renewals and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not be made.

The Commissioner of Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, and of the right to make, use or sell the inventions and improvements disclosed therein within the United States and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree that we will communicate to said assignee or the representatives thereof any facts known to us respecting the inventions and improvements of the said United States application and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, re-issue, continuation, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by Counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, successors and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED at

this Twenty-seventh

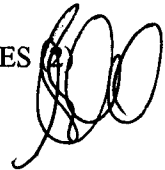
day of April

2005

WITNESSES (2)

Signature

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G. ECKOLD

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ENGINEER.

Address

1 MILL LANE
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EXECUTED at

this Fifteenth

day of April

2005

WITNESSES (2)

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G. BAKER

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Address

42 APLIN RD.
AYLESBURY
HP 21 9BT

EXECUTED at

this Fifteenth

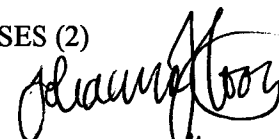
day of April

2005

WITNESSES (2)

Signature

Name


JOHANNA HOOG

Occupation

RESEARCHER

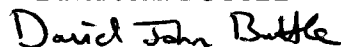
Address

WERRGASSE 7
691 20 HEIDELBERG
GERMANY

RECORDED: 11/01/2005

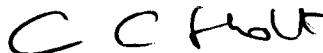
(Names in full)

David John BUTTLE



Signature

Name



Occupation

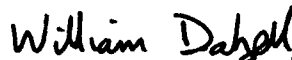
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(Names in full)

William DALZELL



Signature

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N.J. COLLETT

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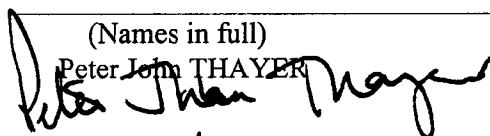
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(Names in full)

Peter John THAYER



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Name


Amanda Green

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REEL: 016713 FRAME: 0535