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1. Name of conveying party(ies):  
Winfried Schwarzmann

2. Name and address of receiving party(ies):

Name: SAP AKTIENGESELLSCHAFT

Additional name(s) of conveying party(ies) attached?  Yes  No

Internal Address:

3. Nature of conveyance:

Street Address: Neurottstrasse 16

Assignment

Merger

City: Walldorf

Security Agreement

Change of Name

Country: Germany Post Code: D-69190

Other:

Additional name(s) & Address(es) attached?

Yes  No

Execution Date: March 24, 2005

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:

A. Patent Application Number(s):

11/025,053

B. Patent Number(s):

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and registrations involved: 1

Name: Naveen Modi

7. Total fee (37 CFR 1.21(h) and 3.41): \$40

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Enclosed (Please charge deficiency to deposit account 06-0916)

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9. Statement and signature.

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Naveen Modi  
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Signature

April 18, 2005  
Date

Total number of pages including cover sheet, attachments and documents: 2

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04/20/2005 DBYRNE 00000183 11025053  
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PATENT  
REEL: 016467 FRAME: 0324

## ASSIGNMENT

WHEREAS I, the below named inventor [hereinafter referred to as Assignor], have made an invention entitled:

### SYSTEMS, METHODS, AND ARTICLES OF MANUFACTURE FOR FLEXIBLE PATH OPTIMIZATION

for which I filed an application for United States Letters Patent on **December 30, 2004** (U.S. Patent Application No. **11/025,053**); and

WHEREAS, **SAP AKTIENGESELLSCHAFT**, a corporation of **Germany** whose post office address is **Neurottstrasse 16, D-69190, Walldorf, Germany** [hereinafter referred to as Assignee], is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set our hands.

Name: **Winfried SCHWARZMANN**  
Address: ~~Falstrasse 39~~ Kreuzstrasse 81  
69234 Rauenberg, Germany  
68753 Weichenheim

Signature: Winfried Schwarzmann

Date: 03/24/05

WITNESSED BY,

Printed Name: Manuela Stuermer

Signature: M. St

Date: 03/24/05