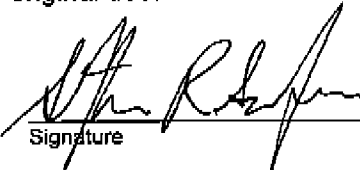


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 Attorney Docket No.: 13909-059001 / 2002P10189 US

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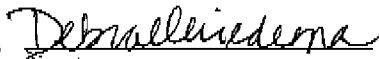
Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Bruno Robitaille, Ming Xu, Philip Robinson and Stephan Haller Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): SAP AKTIENGESELLSCHAFT Neurottstrasse 16 69190 Walldorf Germany Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: December 2, 2003; November 26, 2003; November 26, 2003; November 27, 2003	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 10/284,468 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: <p style="text-align: center;">PTO Customer Number 32864</p>	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i>	
Stephen R. Schaefer Reg. No. 37,927 Name of Person Signing	<div style="text-align: center;">  Signature </div> <div style="text-align: center; margin-top: 20px;"> Dec. 8, 2003 Date </div>
Total number of pages including coversheet, attachments and document: 7	

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CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

December 8, 2003
 Date of Transmission


 Signature

Debra L. Miedema
 Typed Name of Person Signing Certificate

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ASSIGNMENT

For valuable consideration, we, Bruno Robitaille, Ming Xu, Philip Robinson and Stephan Haller, hereby assign to SAP Aktiengesellschaft, a German Corporation, having a place of business at Neurottstrasse 16, D-69190 Walldorf, Germany, and its successors, and assigns (collectively, "the ASSIGNEE") our entire right, title and interest throughout the world in the inventions and improvements that are the subject of a patent document entitled

Cooperative Smart Items

which is found in

U.S. patent application filed on October 31, 2002
[x] under Application No. 10/284,468
[] with Express Mail No. _____ (Application Number not yet known).

We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known.

This assignment includes the foregoing patent application or patent, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. We authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

We hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment.

We further agree for ourselves and our respective heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto; and we agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signature

Bruno Robitaille
Bruno Robitaille

Witnessed by:

Madeline Clogston
Signature

MADELINE CLOGSTON
Print Name

Date

12/2/03

Inventor's Signature

Ming Xu
Ming Xu

Witnessed by:

Signature

Print Name

Date

Attorney Docket No.: 13909-059001 / 2002P10189 US
Page 2 of 2

Inventor's Signature _____
Philip Robinson

Witnessed by: _____
Signature

Print Name

Date

Inventor's Signature _____
Stephan Haller

Witnessed by: _____
Signature

Print Name

Date

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GESAMT SEITEN 02

Attorney Docket No.: 13909-050001 / 2002P10189 US
Page 1 of 2ASSIGNMENT

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Inventor's Signature Bruno Robitaille

Witnessed by: _____
 Signature

 Date

 Print Name

Inventor's Signature Ming Xu
 Ming Xu

Witnessed by: M. Eble
 Signature

NOV 26, 2003
 Date

MARKUS EBLE
 Print Name

TO NEILS LARSEN

Attorney Docket No.: 13909-059001 / 2002P10180 US
Page 2 of 2

Inventor's Signature _____
Philip Robinson

Witnessed by: _____
Signature

Print Name

Date

Inventor's Signature _____
Stephan Haller

Witnessed by: _____
Signature

Print Name

Date

60180135.doc

Attorney Docket No.: 13909-059001 / 2002P10188 US
Page 1 of 2ASSIGNMENT

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Inventor's Signature _____
Bruno Robitaille

Witnessed by: _____
Signature _____
Print Name _____


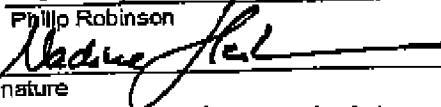
Date _____

Inventor's Signature _____
Ming Xu



Witnessed by: _____
Signature _____
Print Name _____

Date _____

Attorney Docket No.: 13909-059001 / 2002P10189 US
Page 2 of 2

Inventor's Signature 
Philipp Robinson
Witnessed by: 
Signature
NADINE HEITMANN
Print Name

26.11.2003
Date

Inventor's Signature 
Stephan Haller
Witnessed by: 
Signature
NADINE HEITMANN
Print Name

27.11.2003
Date

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