

PATENT ASSIGNMENT

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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>Torsten Ziegler</td><td>04/16/2007</td></tr><tr><td>Frank-Martin Haas</td><td>04/16/2007</td></tr></tbody></table>	Name	Execution Date	Torsten Ziegler	04/16/2007	Frank-Martin Haas	04/16/2007	
Name	Execution Date						
Torsten Ziegler	04/16/2007						
Frank-Martin Haas	04/16/2007						
RECEIVING PARTY DATA							
Name:	SAP AG						
Street Address:	Dietmar-Hopp-Allee 16						
City:	Walldorf						
State/Country:	GERMANY						
Postal Code:	D-69190						
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>11787617</td></tr></tbody></table>	Property Type	Number	Application Number:	11787617			
Property Type	Number						
Application Number:	11787617						
CORRESPONDENCE DATA							
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Total Attachments: 2 source=006741.P120 Assignment#page1.tif source=006741.P120 Assignment#page2.tif							

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PATENT
REEL: 019269 FRAME: 0126

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Torsten Ziegler; Frank-Martin Haas

hereby sell, assign, and transfer to:

SAP AG

a Corporation of Germany, having a principal place of business at Dietmar-Hopp-Allee 16, Walldorf, D-69190 Germany ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith and is entitled:

EMULATION OF EMPTY DATABASE TABLES USING DATABASE VIEWS

and in and to said application and all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional, design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

I hereby authorize the above designated assignee to insert here in parenthesis () the filing date and application number of any of said applications when known.

Each Inventor: Please Sign and Date Below:

Each Witness: Please Sign, Date & Print Name Below:

04/16/2007 TW
Date Torsten Ziegler

Witnessed by: 04/16/2007 Ralf Stauffer
Date Name: RALF STAUFFER

04/16/2007 FM
Date Frank-Martin Haas

Witnessed by: 04/16/2007 Ralf Stauffer
Date Name: RALF STAUFFER

Date _____

Witnessed by: _____
Date Name: _____

Date _____

Witnessed by: _____
Date Name: _____

Date _____

Witnessed by: _____
Date Name: _____

Assignment Document Return Address:
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