rst class mail in an envelope addressed to: MS: Assignment Ri O. Box 1450, Alexandria, VA 22313-1450 on	Louise M. Train										
orm PTO-1595 (Rev. 07/05) MB No. 0651-0027 (exp. 6/30/2008) 04 - 26 - 2	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office										
To the Director of the U.S. Patent and 103225979											
. Name of conveying party(ies) DYNAMIT NOBEL GmbH EXPLOSIVSTOFF und SYSTEMTECHNIK	2. Name and address of receiving party(ies) Name: Delphi Technologies, Inc. Internal Address: Legal Staff:M/C 480-410-202										
Additional name(s) of conveying party(ies) attached? Yes No Nature of conveyance/Execution Date(s): Execution Date(s) September 14, 2005 Assignment Merger	Street Address: 5825 Delphi Drive										
Security Agreement Change of Name	City: Troy										
Joint Research Agreement Government Interest Assignment	State: Michigan Country: US Zip:48098										
Executive Order 9424, Confirmatory License Other	Additional name(s) & address(es) attached? Yes										
4. Application or patent number(s):	document is being filed together with a new application B. Patent No.(s) 6,651,563; 5,707,075; 5,433,147										
Additional numbers att	ached? ☐ Yes ☑ No										
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 12										
Name: SCOTT A, McBAIN: CUSTOMER NO. 22,851	7. Total fee (37 CFR 1.21(h) & 3.41) \$_480.00										
Internal Address:	Authorized to be charged by credit card										
Legal Staff; M/C 480-410-202	Authorized to be charged to deposit account										
Street Address: 5825 DELPHI DRIVE	Enclosed										
P.O. Box 5052	None required (government interest not affecting title										
City: TROY	8. Payment Information a. Credit Card Last 4 Numbers										
State: <u>MI</u> Zip: <u>48007</u>	a. Credit Card Last 4 Numbers										
Phone Number: <u>248-813-1235</u>	b. Deposit Account Number 50-0831										
Fax Number: 248-812-1211 Email Address: scott.a.mcbain@delhi.com	Authorized User Name SCOTT A. McBAILS										
9. Signature: A. A. M.	4-19-2086										
Signature	Date										

ASSIGNMENT

WHEREAS, DYNAMIT NOBEL GmbH EXPLOSIVSTOFF und SYSTEMTECHNIK, a

German corporation with its principal place of business in Germany, (hereinafter referred to as

"Assignor"), is the owner of all right, title and interest in and to the patent applications identified in

Exhibit A. and the inventions described or claimed therein (hereinafter "Patent Applications");

WHEREAS. Delphi Technologies. Inc., a corporation organized and existing under the laws

of the state of Delaware, with its principal place of business at 5825 Delphi Drive. Troy. Michigan

48098. United States of America. (hereinafter referred to as "Assignee"). is desirous of acquiring the

entire right, title and interest in and to said Patent Applications:

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of

which is hereby acknowledged. Assignor does hereby sell, transfer, assign, convey and grant to

Assignee, its successors and assigns the entire right, title and interest in and to said Patent

Applications and any continuation, division, renewal, substitute or reissue thereof for the full term or

terms which the claims which may be granted, including the subject matter of any and all claims

which may be obtained in every patent, and the right to make claim for and obtain all damages by

reason of infringement of any patent issuing thereon, including past infringement prior to Assignee's

acquisition of these rights, together with the right to sue for, in Assignee's own name, and collect

damages for Assignee's own use and enjoyment and for the use and enjoyment of its successors,

assigns or other legal representatives;

Assignor authorizes and requests the United States Commissioner of Patents and Trademarks

to issue all letters patents which may issue on said invention included in the subject matter of said

Patent Applications to Assignee, its successor and assigns, as the Assignee has the entire right, title

and interest in and to the same, for the sole use and enjoyment of said Assignee, its successors and

Assigns.

PATENT

REEL: 017804 FRAME: 0819

IN WITNESS WHEREOF. Assignor has herein caused these presents to be executed by a

uly authorized corporate officer.

Dynamit Nobel GmbH

Explosivstoff- und Systemtechnik

Name:

By:

Dr. J. Kaiser-Gerwens

Title:

Geschäftsführer

Prokurist

Date:

September 14, 2005

PATENT

REEL: 017804 FRAME: 0820

SU	S	SU	SU	SU	SU	SU	SU	SU	SU	SU	SU	CA	CA	CA	Country [C]
DP-314059	DP-314061	DP-314060	DP-313436	DP-314027	DP-314025	DP-314024	DP-314022	DP-314021	DP-314018	DP-314007	DP-314006	DP-313748	DP-313739	DP-313736	File No.
OZ 03043	OZ 93009	OZ 91037	OZ 02064	OZ 03028	OZ 03022	OZ 03042	OZ 03005	OZ 99071	OZ 99015	OZ 94023	OZ 91017	OZ 96057	OZ 95003	OZ 96077	Int. Ref.
10/901973	08/209881	08/211921	10/530200	10/835065	10/815702	10/901048	10/767173	10/804527	10/807289	10/150059	10/749504	2265585	2211579	2275461	Serial No.
30-Jul-04	14-Mar-94	25-Apr-94	04-Apr-05	30-Apr-04	02-Apr-04	29 - Jul-04	30-Jan-04	19-Mar-04	24-Mar-04	20-May-02	02-Jan-04	11-Sep-97	13-Feb-96	19-Dec-97	Filing date
	5433147	5707075								6651563					Grant No.
										25-Nov-03					Grant date

PATENT REEL: 017804 FRAME: 0821

RECORDED: 04/24/2006