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04-15-20		
TO THE HONORABLE DIRECTOR OF TH ORIGINAL DOCUMENTS OR COPY THEK 1020549	2K OFFICE DI EASE DECORD THE ATTACHED	
Name of conveying party(ies):	Name and address of receiving party(ies):	
(a) RAMM, Peter (b) KLUMPP, Armin 3 - Z 9 - 0Z	Name: FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG	
(-)	DER ANGEWANDTEN FORSCHUNG E.V.	
Additional name(s) of conveying party(ies) attached?	Address: Leonrodstrasse 54, D-80636 Muenchen, Germany	
Yes No		
Nature of Conveyance:	Name and address of receiving party(ies):	
Assignment Merger	Name and address of receiving party(ies):	
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Execution Date: March 4, 2002	Additional name(s) & address(es) attached	
	Additional name(s) & address(es) attached	
	☐ Yes ☒ No ——————————————————————————————————	
Application number(s) or patent number(s):		
If this document is being filed together with a new application, the	he execution date of the application is:	
A. Patent Application No.(s) - 09/979,826	B. Patent No.(s)	
Title: A Method Of Vertically Integrating Electric Components By Means Of Back Contacting		
Additional numbers attached? Yes No		
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	Total number of applications and patents involved:	
Name: Alan H. MacPherson		
Internal Address: SKJERVEN MORRILL MacPHERSON LLP		
Street Address: 25 METRO DRIVE, SUITE 700	7. Total fee (37 CFR 3.41): \$40.00	
City SAN JOSE State CA Zip 95110	7. Total fee (37 CFR 3.41): \$40.00  Authorized to be charged to Deposit Account 19-2386	
	Charge Deposit Account 19-2386 for any additional fees	
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8. \Statement and signature.		
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.		
Alan H. MacPherson 24,423 Clary March 19, 200 2.  Name of Person Signing Signature Date		
Total number of pages including cover sheet, attachments, and documents: 2		

PATENT REEL: 012774 FRAME: 0778

Attorney Docket No.: AB-1177 US

## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we,

Peter RAMM, of Ilmsiedlung 11 b, D-85276 Pfaffenhofen, Germany, Armin KLUMPP, of Ringseisstrasse 12/4, D-80337 Muenchen, Germany,

hereby sell, assign and transfer to FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., a German corporation, having a place of business at Leonrodstrasse 54, 80636 Muenchen, Germany, its successors and assigns, the entire right, title and interest throughout the world in our invention in

## A METHOD OF VERTICALLY INTEGRATING ELECTRIC COMPONENTS BY MEANS OF BACK CONTACTING

for which we filed a United States Patent Application on November 26, 2001, which now has Serial No. 09/979,826, which U.S. application is a national stage of International Application No. PCT/DE00/01605 filed May 16, 2000, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the abovenamed assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this <u>64</u> day of	Morale, 2002.
	$\mathcal{T}_{\mathcal{A}}$ , $\mathcal{T}_{\mathcal{C}}$
	Peter RAMM
WITNESSED! Lallenann	
WITNESSED!  J. Bellecauce Signature  03/04/2002	
Date D. Bollmann	
Type or Print Name of Witness	
Executed this <u>04</u> day of	March, 2002.
_	Armin KLUMPP
WITNESSED: J. Bollenaun	
WITNESSED: J. Bollewauw Signature 03/04/2002 Date	
Date D. Bollmann	
Type or Print Name of Witness	

RECORDED: 03/29/2002

PATENT REEL: 012774 FRAME: 0779