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3.	Nature of conveyance:  X Assignment Merger  Security Agreement Change of Name  Other:  Execution Date(s): August 1, 2013	
4.	Application number(s) or patent number(s):  This document is being filed together with a new application.	
	OR  This document is being filed after filing of the application:  (a) Patent Application No(s). 13/963,205, filed August 9, 2013; or  (b) Patent No(s)., issued.	
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1904.1208CIP  Attention: Paul W. Bobowiec  1201 New York Ave., N.W., 7th Floor Washington, D.C. 20005	
6.	Total number of applications and patents involved:1	
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Paul V	08/21/2013 HTON11 00000024 193935 13963205  V. Bobowiec, Reg. No. 47,431  Palf Palf 20:8021  August 15, 20/3	
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## **U.S. ASSIGNMENT**

S41110

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

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relating to international Patent Application PCT/JP was executed on even date herewith or, if not so executed, was:

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby setls, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

# CRUM CHIP AND IMAGE FORMING DEVICE FOR AUTHENTICATION AND COMMUNICATION, AND METHOD THEREOF

and/or for which application for Letters Patent of the United States

(a) executed on ;	(Insert date of execution of application, if not concurrent)
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1) Jae-yoon LEE	2013.08.01
2) Hong-rok WOO	20/3.08.0/
3)	
4)	
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PATENT REEL: 031169 FRAME: 0528

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