Do Not detach this portion Mail document to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office PO Box 1450

Total number of pages including cover sheet, attachments, and document: 4

Alexandria, VA 22313-1450

PATENT REEL: 014728 FRAME: 0438

OMB No. 0651-0011 (exp. 4/94)

917033065995

ΤO

PATENT APPLICATION

P.03/04

ATTORNEY DOCKET NO. 200310674-1

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P. O. Box 272400 Fort Collins. Colorado 80527-2400

Ray 10/03 (Appion)

ASSIGNMENT OF PATENT APPLICATION

i/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

and assigns, the entire right, title and interest, including the right application for Letters Patent of the United States entitled:	of priority, in, to and under an
METHOD AND APPARATUS FOR REDUCING CHARGE INJECTI ELECTROSTATIC ACTUATOR ARRAY	ON IN CONTROL OF MEMS
Filing date: 5/28/04 Application No.:	10 855359
and the invention(s) and improvement(s) set forth therein, a continuations-in-part (C-I-P's), divisionals, and renewals of and subst Letters Patent, and any and all Letters Patent of the United States and may be granted thereon or therefor; and any reissues, or reexaminar Patent.	titutes for said application for said of countries foreign thereto which
I/we additionally authorize HPDC to file applications in my/ou country, to be held and enjoyed by HPDC, its successors, assigns, no the full end of the term or terms for which said Letters Patent respect extended, as fully and entirely as the same would have been held assignment, and transfer not been made;	minees or legal representatives, to tively may be granted, reissued or
AND I/we hereby covenant that I/we have full right to convey the that I/we have not executed and will not execute any agreement in covenant and agree that I/we will, each time a request is made, and deliver all such papers as may be necessary or desirable to perfect improvement(s), said application and said Letters Patent, to HPDC, its legal representatives, and I/we agree to communicate to HPDC, or respecting said invention(s) or improvement(s), said application and salegal proceedings, to sign all lawful papers, to execute all disclaims C-I-P's, reissue and foreign applications, to make all rightful oaths and everything possible to aid HPDC, its successors, assigns, nominees and enforce, for its or their own benefit, proper patent protection for sin any and all countries provided the expenses which may be in cooperation and assistance are paid by HPDC;	conflict herewith, and I/we further without undue delay, execute and et the title to said invention(s) or a successors, assigns, nominees or to its nominee, all known facts aid Letters Patent, to testify in any ers and divisionals, continuations, d declarations, and generally to do and legal representatives to obtain said invention(s) or improvement(s)
AND I/we hereby authorize and request the Commissioner of Pate States and any official of any country or countries foreign to the Unit patents on applications as aforesaid, to issue to HPDC, as assignee or any and all Letters Patent for said invention(s) or improvement(s), include United States which may be issued and granted on or as a restaccordance with the terms of this assignment.	ed States whose duty it is to issue f the entire right, title and interest, luding any and all Letters Patent of
I/we further authorize and direct the attorneys of record to insert said application now identified by the attorney docket number and ti same shall have been made known to them by the United States Pater	tle set forth above as soon as the
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and sea	_
	1151 (2007
Inventor's Typed Name: Erio Mertin Date Application	Signed: 5/13/2004
State of	
County of) ss.:	
Before me this day of, personally appeared <u>Eric.N.</u> personally known or proved to me on the basis of satisfactory evidence to be the instrument of assignment to be his/her free act and deed.	
	Notary Public My commission expires:

(Use Page Two For Additional (nventor(s) Signature(s))

Page 1 of 2

ΤO 917033065995 P.04/04

PATENT APPLICATION

ATTORNEY DOCKET NO. 200310674-1

HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature (Seal) Inventor's Typed Name: Art Piehl State of	Date Assignment Signed: 5 / 17 / 6 4 Date Application Signed: 5 / 17 / 6 4
Inventor's Signature (Seal) Inventor's Typed Name: Art Plahl State of	Date Application Signed: 5/17/04
State of } county of Before me this day of, corrannally known or proved to me on the basis of sat	
State of } county of Before me this day of, bersonally known or proved to me on the basis of sat	
Before me this day of, ersonally known or proved to me on the basis of sat	nersonally appeared. Art Mahi
	nersonally appeared Art Mehl Who is
	defectory evidence to be the person who acknowledged the foregoing
	Notary Public My commission expires:
nventor's Signeture (Seal)	Date Assignment Signed: 5/17/04 Date Application Signed: 5/17/04
nventor's Typed Name: Adam Ghozell	Date Application Signed: 5/17/04
State of)) ss.:	
County of	
netrument of assignment to be his/her free act and deed.	infactory evidence to be the person who acknowledged the foregoing Notary Public My commission expires:
	Pate Assignment Signed:
nventor's Signature (Seal)	
	Date Application Signed:
nventor's Typed Name:	Date Application Signed:
nventor's Typed Name:	Date Application Signed:
State of)) SS.: County of) Sefore me this day of	Date Application Signed: Description Signed: Description Signed: who is instruction services to be the person who acknowledged the foregoing
State of) State of) ss.: County of) Before me this day of, responsibly known or proved to me on the basis of sat	
State of)) ss.: County of)	who is isfactory evidence to be the person who acknowledged the foregoing Notary Public My commission expires:

RECORDED: 06/14/2004

PATENT REEL: 014728 FRAME; 0440,4