FORM PTO-1595 1-31-92	RECORDATION FO PATENTS	04-29-1998	TMENT OF COMMERCE at and Trademark Office t No. 10960875-1
Name of conveying party(ies): Troy M. Thomas David A. Madsen Michael J. Phelps	µeD 4-17-98	100697534 2. Name and address of receiving HEWLETT-PACKARD COMPAL Legal Department, M/S 20BN 3000 Hanover Street Palo Alto, CA 94304	
Additional name(s) of conveying party(ies) a 3. Nature of Conveyance:	attached Yes X No	Additional name(s) & address(es) attached	d?Yes _X_No
	Merger	Change of N	lamo
X Assignment Security Agreement	Merger _X Other	Change of N Substitute Page 2 of Assignment original Assignment Reel/Frame: 8	to replace page 2 of
Execution Date(s): New execution		ongila Assignment Heel/Hame.	073970990 (10/00/97)
4. Application number(s) or patent	number(s):		
If this document is being filed toge	ether with a new appli	cation, execution date of the applic	ation is: N/A
A. Patent Application No.(s)		B. Patent No.(s)	
Serial No.: 08/846829 Date	Filed: 05/01/97	N/A	
	Additional numb	ers attached? <u>NO</u>	
Name and address of party to whom correspondence concerning document should be mailed: Records Manager HEWLETT-PACKARD COMPANY 3404 East Harmony Road Fort Collins, CO 80528-9599		6. Total number of applications ar	nd patents involved: 1
		7. Total Fee (37 CFR 3.41): Enclosed X Authorization to be cha 8. Deposit Account Number: 08	rged to deposit account.
	DO NOT USE	THIS SPACE	
Statement and signature.	DO NOT USE	THIS SPACE	
To the best of my knowledge and true copy of the original document. Sue A. Hebert		nformation is true and correct and a	any attached copy is a
Name of Person Signing	Signature	Date	
Total r	number of pages including	g cover sheet, attachments, and de	ent: 7
OMB No. 0651-0011 (exp. 4/94)		000	8
Mail document to be recorded with	required cover sheet Commissioner of F Box A	th this portion	94

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

A Programmable Retargeter Method And Apparatus

ATTORNEY DOCKET NO. 10960875-1



ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a California corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do thereby assign and transfer to HP, 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:

Filing date: May 1, 1997	Serial No.:08/846829
continuations-in-part (C-I-P's), divisionals, and r Letters Patent, and any and all Letters Patent of	et forth therein, and any and all continuations, enewals of and substitutes for said application for said the United States and of countries foreign thereto which issues, or reexaminations, or extensions of said Letters
be held and enjoyed by HP, its successors, assi- the term or terms for which said Letters Paten	ons in my/our name for Letters Patent in any country, to ins, nominees or legal representatives, to the full end of respectively may be granted, reissued or extended, as held and enjoyed by me/us had this assignment, and
that I/we have not executed and will not executed and agree that I/we will, each time a deliver all such papers as may be necessary improvement(s), said application and said Lettelegal representatives, and I/we agree to communsaid invention(s) or improvement(s), said applications, to sign all lawful papers, to execute and foreign applications, to make all everything possible to aid HP, its successors, a enforce, for its or their own benefit, proper paters.	Il right to convey the entire interest herein assigned, and te any agreement in conflict herewith, and I/we further request is made, and without undue delay, execute and or desirable to perfect the title to said invention(s) or so Patent, to HP, its successors, assigns, nominees or eate to HP, or to its nominee, all known facts respecting cation and said Letters Patent, to testify in any legal te all disclaimers and divisionals, continuations, C-I-P's, rightful oaths and declarations, and generally to dossigns, nominees and legal representatives to obtain and ent protection for said invention(s) or improvement(s) in the may be incurred by me/us in lending such cooperation
States and any official of any country or country patents on applications as aforesaid, to issue to and all Letters Patent for said invention(s) or im-	Commissioner of Patents and Trademarks of the United es foreign to the United States whose duty it is to issue HP, as assignee of the entire right, title and interest, any provement(s), including any and all Letters Patent of the ted on or as a result of the application aforesaid, in
application now identified by the attorney dock shall have been made known to them by the Uni	eys to insert the serial number and filing date of said at number and title set forth above as soon as the same ted States Patent and Trademark Office. Date Assignment Signed: 4/29/97
Inventor's Signature (Seal)	
Inventor's Typed Name: Troy M Thomas	Date Application Signed: 4/29/97
State of Colorado)) ss.:	
County of Larimer)	
Before me this 29 day of April 1997, personally known or proved to me on the basis of satis instrument of assignment to be his/her free act and deed.	personally appeared Troy M Thomas who is actory evidence to be the person who acknowledged the foregoing Notary Public My commission expires:

My Commission Expires June 17, 1998

When recorded please return to:

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. __10960875-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature (Seal)	Date Assignment Signed: 4/6/98
Inventor's Typed Name: David A Madsen	Date Application Signed: Nov. 15, 1997
State of Utah	
County of Cache) ss.:	
Before me this (O day of AOO) 199	, personally appeared David A Madsen who is
personally known or proved to me on the basis	s of satisfactory evidence to be the person who acknowledged the foregoing
-	Notary Public - Melanie a Purses
	Motary Public MELANIE A. PURSER 815 West 1800 North Logan, Utah 84321 My Commission Expires July 21, 1998 State of Utah
	Date Assignment Signed:
nventor's Signature (Seal)	
nventor's Typed Name: Michael J Phelps	Date Application Signed: May 1, 1997
State of Colorado	
County of Larimer) ss.:	
	, personally appeared Michael J Phelps who is s of satisfactory evidence to be the person who acknowledged the foregoing dideed.
	Notary Public
	My commission expires:
	Date Assignment Signed:
nventor's Signature (Seal)	
nventor's Typed Name:	Date Application Signed:
State of	
) ss.:	
County of)	
Before me this day of	
Before me this day of	of satisfactory evidence to be the person who acknowledged the foregoing
Before me this day of ersonally known or proved to me on the basis	of satisfactory evidence to be the person who acknowledged the foregoing

Page 2 of 2

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Legal Department, 20BN
P. O. Box 10301
Palo Alto, California 94303-0890

PATENT APPLICATION



ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed: 6-18-97
Dand O. Macken Inventor's Signature (Seal)	Date Assignment Signed.
Inventor's Typed Name: David A Madsen	Date Application Signed: 6 - 18 - 9 7
State of Utah)	
County of Cache	
Before me this day of une personally known or proved to me on the basis	of satisfactory evidence to be the person who acknowledged the foregoing
instrument of assignment to be his/her free act and	deed. Resulting Resulting
	NOTARY MINUC , STATE of STAM totary Public 1820 N. MAIN LOGAN, UT 94321 COMM. EXP. AUG11-67
2	S-1/97
inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name: Michael J Phelps	Date Application Signed: 5/1/947
State of Colors 1	
County of Learner	
- ,	
Before me this <u>Ul</u> day of <u>May 1411</u>	, personally appeared Michael J Phelps who is of satisfactory evidence to be the person who acknowledged the foregoing
personally known or proved to me on the pasis	of satisfactory evidence to be the person who acknowledged the foregoing
instrument of assignment to be his/her free act and or	deed.
instrument of assignment to be his/her free act and o	deed.
instrument of assignment to be his/her free act and o	Notary Public Lakutze
instrument of assignment to be his/her free act and o	Notary Public My commission expires:
instrument of assignment to be his/her free act and o	Notary Public Lakutze
instrument of assignment to be his/her free act and o	Notary Public My commission expires:
Inventor's Signature (Seal)	Notary Public My commission expires: My Commission Expires June 17, 199
instrument of assignment to be his/her free act and o	Notery Public Notery Public My commission expires: My Commission Expires June 17, 199 Date Assignment Signed:
Inventor's Signature (Seal)	Notery Public Notery Public My commission expires: My Commission Expires June 17, 199 Date Assignment Signed:
Inventor's Signature (Seal) Inventor's Typed Name: State of) ss.:	Notery Public Notery Public My commission expires: My Commission Expires June 17, 199 Date Assignment Signed:
Inventor's Signature (Seal) Inventor's Typed Name: State of) ss.:	Notery Public Notery Public My commission expires: My Commission Expires June 17, 199 Date Assignment Signed:
Inventor's Signature (Seal) Inventor's Typed Name: State of) ss.: County of) before me this day of	Date Application Signed:
Inventor's Signature (Seal) Inventor's Typed Name: State of) ss.: County of) ady of personally known or proved to me on the basis	Date Application Signed:

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2