



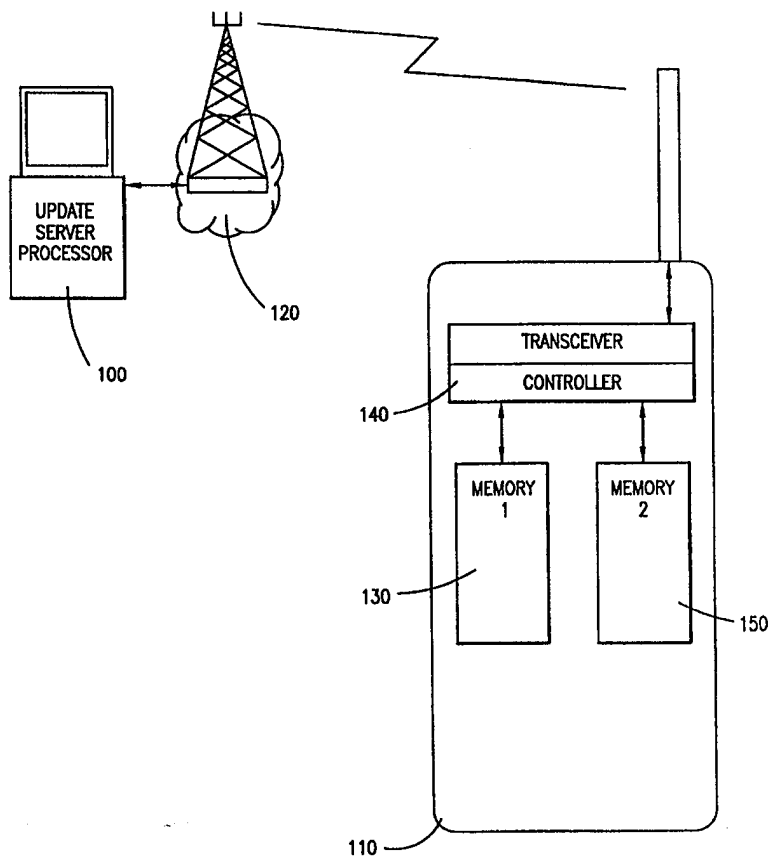
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<p>(21) International Application Number: PCT/SE98/00214 (22) International Filing Date: 6 February 1998 (06.02.98) (30) Priority Data: 08/806,659 26 February 1997 (26.02.97) US (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventor: HANSSON, Lars; Brännkyrkagatan 44, S-118 22 Stockholm (SE). (74) Agents: NORIN, Klas et al.; Ericsson Radio Systems AB, Common Patent Dept., S-164 80 Stockholm (SE).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 3 December 1998 (03.12.98)</p>	

(54) Title: METHOD AND APPARATUS FOR REMOTELY UPGRADING CONTROL SOFTWARE IN A CELLULAR TELEPHONE

(57) Abstract

The present invention comprises a method and apparatus for downloading software into a remotely located cellular telephone (110) via wireless communication. The cellular telephone (110) includes two memories (130, 150) for storing software with one memory (130) storing the current software and the second memory (150) available for downloading new software. The present invention further includes a processor (100) in communication with the cellular telephone (110) via cellular telephone network (120). The processor (100) contains the new software and controls the downloading of the software from the processor (100) into the cellular telephone memory (150). The cellular telephone (110) includes a controller (140) for loading the received software into the cellular telephone memory and for performing a checksum on the new software.



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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/SE 98/00214

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 6 H04Q7/22 H04Q7/32 H04Q7/34

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	WO 96 27270 A (ERICSSON GE MOBILE INC ;HENRY RAYMOND C JR (US); SICHER ALAN E (US) 6 September 1996	10-13
Y	see page 3, line 1 - line 11	1,2,8,9
A	see page 3, line 24 - line 35  see page 4, line 12 - line 28 see page 5, line 33 - page 6, line 1 see page 6, line 11 - line 14 see page 11, line 17 - line 24 see page 11, line 31 - page 12, line 22 see page 12, line 33 - page 13, line 5 see page 14, line 30 - page 15, line 20 see page 15, line 29 - page 16, line 7 see page 18, line 23 - page 19, line 17  --- -/--	5-7, 15-17

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/SE 98/00214

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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