PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G06F 15/00, A44B 9/10	A1	(11) International Publication Number: WO 00/34880
		(43) International Publication Date: 15 June 2000 (15.06.00)

(21) International Application Number: PCT/US99/29346

(22) International Filing Date: 9 December 1999 (09.12.99)

(30) Priority Data:

60/111,665	10 December 1998 (10.12.98)	US
09/347,188	3 July 1999 (03.07.99)	US

(71)(72) Applicant and Inventor: GUTOWITZ, Howard, Andrew [US/US]; Apt. 2F, 50 Park Terrace East, New York, NY 10034 (US).

(74) Agents: MICHAL, Robert, P. et al.; Frishauf, Holtz, Goodman, Langer & Chick, P.C., 25th floor, 767 Third Avenue, New York, NY 10017–2023 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: METHOD AND APPARATUS FOR IMPROVED MULTI-TAP TEXT INPUT

(57) Abstract

The defacto standard for text entry on standard telephone keypads (100), such as fixed phones, cell phones, fax machines is a multi-tap method where one of several letters associated to an input means (5000) is selected by pressing the input means (5000) a number of times equal to the position of the desired letter in the ordering of letters associated to the input means. Typically, for the standard alphabetic ordering, a large number of presses are required to obtain any given letter. The present invention uses prefix information to dynamically reorder the choices so that the average number of input means manipulations is reduced.

