

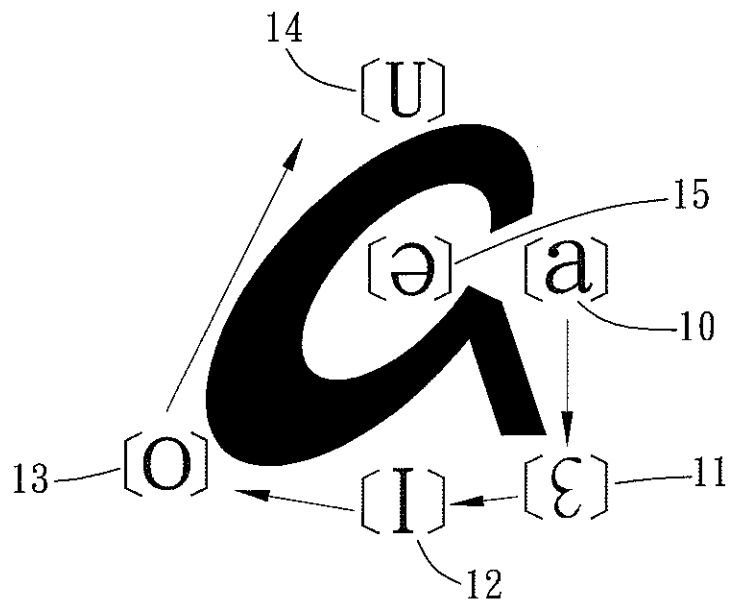


FIG.1

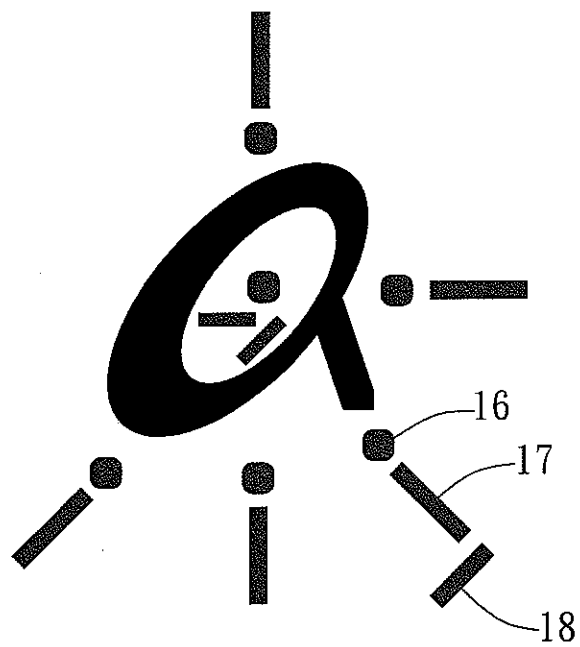


FIG.2

$$k=c=q_k$$

$$\Downarrow$$

$$k=c=q_i$$

FIG.3

$$\begin{array}{c} \text{ph}=\text{gh}=\text{f} \\ \text{sh}=\text{ci}=\text{si} \end{array}$$

20

20

FIG.4

²¹
~~k~~n i f e

FIG.5

pea²²nut

FIG.6

X²³

FIG.7

²⁴
u

FIG.8

wh²⁵

FIG.9

right line [ɑ] a car	right lower line [e] a baby	right lower point [ɛ] a head	right lower slash [æ] a cat	lower point [ɪ] a orange
left lower point [ɔ] a ball	middle point [ə] a banana	[b] b book	left lower point [k] c school	[s] c city
long under line [ʃ] ch Chicago	short under line [tʃ] ch church	long under line [ʒ] ci musician	[d] d dog	lower point [dʒ] d bridge
right line [ɑ] e sergeant	right lower line [e] e eight	right lower point [ɛ] e pen	lower line [i] e eagle	lower point [ɪ] e monkey
left lower line [o] e sew	upper line [u] e blew	middle line [ə] e cucumber	middle point [ə] e telephone	middle slash [ɜ] e her
[f] f sofa	[dʒ] g engin	middle point [g] g girl	under line [f] gh laugh	[h] h house

FIG.10A

lower line [i] i police	lower point [ɪ] i milk	middle line [ɜ] i alligator	middle slash [ʒ] i bird	upper line [ai] i tiger
left point [dʒ] j juice	[k] k key	[l] l lion	left lower point [lo] l turtle	[m] m man
[n] n nest	middle point [ŋ] n king	right line [a] o doll	right point [ʌ] o monkey	left lower line [o] o ocean
upper line [u] o broom	upper point [ʊ] o wolf	middle slash [ʒ] o word	middle point [ə] o lemon	double sound [wa] o one
[p] p pen	[f] ph phone	right point [k] q queen	[r] r red	middle point [ə] r bird
[s] s sun	middle slash [z] s music	long under line [ʃ] sh ship	long under line [ʃ] si mission	[t] t tea

FIG.10B

underline [ə] th thin	underline [ə̃] th the	underline [ʰʃ] tu signature	under long line [ʃ] ti patient	right point [ʌ] u cup
right lower point [ɛ] u guest	lower point [ɪ] u busy	upper line [u] u blue	upper point [u] u push	middle line [ʊ] u surprise
middle point [ə] u circus	middle slash [ʒ] u nurse	upper line [ju] u unit	[v] V very	upper point [u] W we
under arrow [hu] wh why	delete line no sound W answer	middle line separate [ks] X taxi	separate line and point [gz] X exist	[ks] X box
upper line [ai] y sky	lower point [ɪ] y piggy	right upper point [j] y you	middle point [ə] y oxygen	[z] Z zoo

FIG.10C

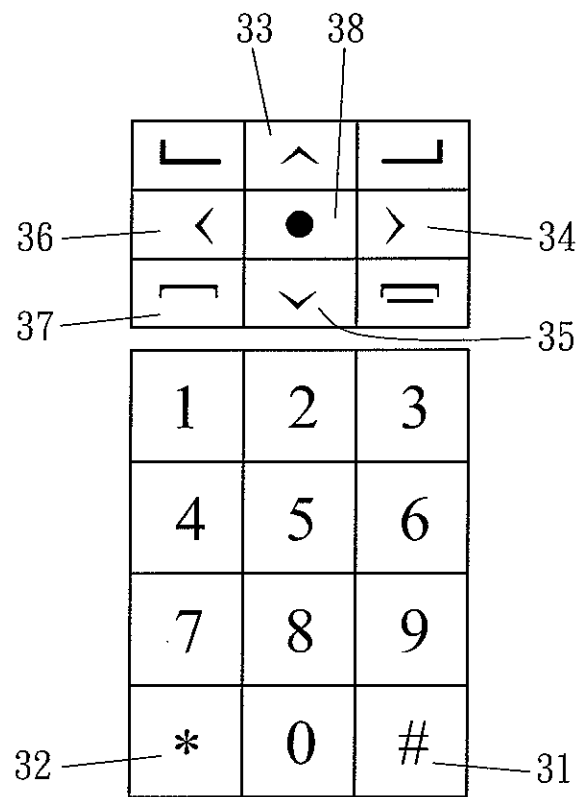


FIG.11

1 4 7 *	a ³ ₆	3	1 4 7 *	b ³ ₆	3	1 4 7 *	c ² ₆	3	1 4 7 *	d ⁶ ₉	3	1 4 7 *	e ⁸ ₉	3
a=26 = \			b=7 = 7			c=29			d=69 = 7			e=89 = 7		
A=266			B=77			C=299			D=699			E=899		
1 4 7 *	f ⁸ ₉	3	1 4 7 *	g ³ ₈	3	1 4 7 *	h ⁸ ₉	3	1 4 7 *	i ¹ ₈	3	1 4 7 *	j ² ₈	3
f=48 = 7			g=38 = 7			h=8 = 7			i=1 = 7			j=27 = 7		
F=488			G=388			H=88			I=11			J=277		
1 4 7 *	k ³ ₉	3	1 4 7 *	l ² ₉	3	1 4 7 *	m ³ ₆	3	1 4 7 *	n ² ₅	3	1 4 7 *	o ⁴ ₅	3
k=9 = 7			l=20 = 7			m=6 = 7			n=5 = 7			o=45 = 7		
K=99			L=200			M=66			N=55			O=455		
1 4 7 *	p ³ ₉	3	1 4 7 *	q ³ ₉	3	1 4 7 *	r ² ₈	3	1 4 7 *	s ⁵ ₉	3	1 4 7 *	t ⁴ ₉	3
p=4 = 7			q=39 = 7			r=23 = 7			s=57 = 7			t=49 = 7		
P=44			Q=399			R=133			S=577			T=499		
1 4 7 *	u [*] ₀	3	1 4 7 *	v ² ₀	3	1 4 7 *	w ³ ₀	3	1 4 7 *	x ⁷ ₀	3	1 4 7 *	y [#] ₀	3
u=* = 7			v=2			w=3			x=7*			y=# = 7		
U=**			V=22			W=33			X=7**			Y=##		
1 4 7 *	z ⁷ ₀	3	1 4 7 *	(³ ₀)	3	1 4 7 *	[² ₀]	3	1 4 7 *	) ³ ₀	3	1 4 7 *	] ³ ₀	3
z=70 = 7			(=14			[=144			)=36			]=366		
Z=700														

FIG.12A

1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ q ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ n ₅ q ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ q ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ a ₅ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ i ₆ ⁰
qi=31= 𐄀			qn=35= 𐄁			qu=3*= 𐄂			an=25= 𐄃			ia=16= 𐄄		
1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ o ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ m ₆ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ n ₅ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ r ₃ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ r ₃ ⁰
ou=4*= 𐄅			em=86= 𐄆			en=85= 𐄇			er=83= 𐄈			zr=73= 𐄉		
1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ s _h ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ c _h ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ t _s ^r ₆ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ t _s ^r ₆ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ s _h ^r ₆ ⁰
sh=58= 𐄊			ch=28= 𐄋			tsr=43= 𐄌			ts=47= 𐄍			sr=53= 𐄎		
1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ + ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ - ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ ? ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ ! ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ , ⁰
+=59			-=56			?=40			!=3#			,=8*		
1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ / ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ \$ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ \ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ o ₉ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ o ₉ ⁰
/=37			\$=377			\ ⁰ =19			%=199			.=80		
1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ @ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ @ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ @ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ @ ⁰	1 ¹ 4 ² 7 ³ * ⁰	2 ⁴ 5 ⁵ 8 ⁶ # ⁷	3 ⁹ @ ⁰
SPACE=0			@=00			:=9#			;=9*			\ ⁰ =8#		

FIG.12B

1 i	2 v	3 w
4 p	5 n	6 m
7 b	8 h	9 k
* u	0	# y

FIG.13

1=111	2=222	3=333
4=444	5=555	6=666
7=777	8=888	9=999
*=***	0=000	#=###

FIG.14

Language	Chinese Transliteration		Japanese Transliteration	English	French	Philippine
Word Input	Chinese Transliteration	一 (i)	<u>i</u> <u>chi</u>	<u>one</u>	<u>un</u>	<u>i</u> <u>sa</u>
Numeral Code	1		<u>1</u> <u>29</u> <u>8</u> <u>1</u>	<u>45</u> <u>5</u> <u>89</u>	<u>*5</u>	<u>157</u> <u>26</u>
Word Input	Chinese Transliteration	蘋果 (piem^ guo>>)	<u>r</u> <u>ingo</u>	<u>apple</u>	<u>la</u> <u>_</u> <u>pomme</u>	<u>ma</u> <u>nsa</u> <u>nas</u>
Numeral Code	<u>4</u> <u>1</u> <u>86</u> ^ <u>38</u> * <u>45</u> >		<u>23</u> <u>15</u> <u>38</u> <u>45</u>	<u>26</u> <u>44</u> <u>20</u> <u>89</u>	<u>20</u> <u>26</u> <u>04</u> <u>45</u> <u>66</u> <u>89</u>	<u>626</u> <u>557</u> <u>265</u> <u>2657</u>
Word Input	Chinese Transliteration	星期一 (shiem_chi^i)	<u>get</u> <u>suy</u> <u>o</u>	<u>Monday</u>	<u>Lundi</u>	<u>Lunes</u>
Numeral Code	<u>58</u> <u>1</u> <u>86</u> <u>0</u> <u>28</u> <u>1</u> ^ <u>0</u> <u>1</u>		<u>38</u> <u>89</u> <u>49</u> <u>57</u> * # <u>45</u>	<u>66</u> <u>45</u> <u>569</u> <u>26</u> #	<u>200</u> * <u>569</u> <u>1</u>	<u>200</u> * <u>589</u> <u>57</u>

FIG.15