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(72) Inventor; and

(71) Applicant : LAUBACH, Kevin [US/US]; P.O. Box 1824,
Beverly Hills, California 90213 (US).(74) Agent: KATIRAEI, Arman; 8200 Wilshire Ave., Suite
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[Continued on next page]

(54) Title: INPUT DEVICE ENHANCED INTERFACE

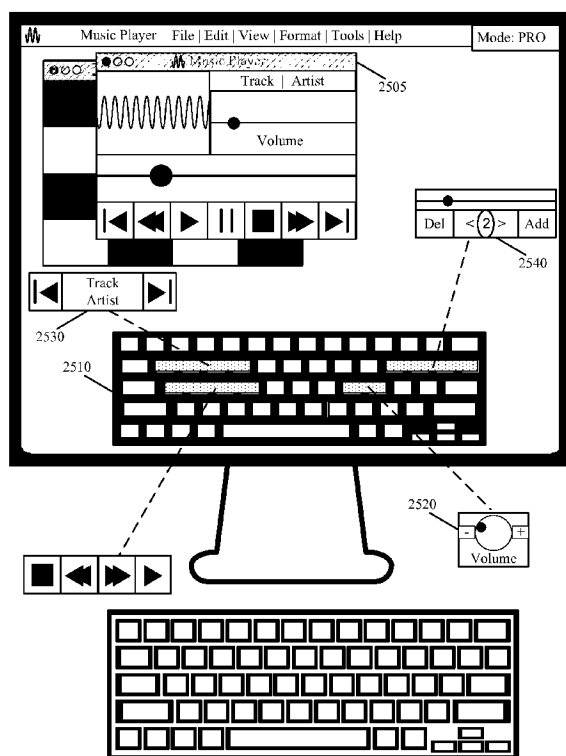


Figure 25

(57) Abstract: Some embodiments provide an interactive
viewer for an input device interface. Specifically, some em-
bodiments provide a Keyboard Enhanced Interface (KEI) sys-
tem that includes a KEI viewer. The KEI viewer includes mul-
tiple graphical keys that correspond to keys of a key based in-
put device. The KEI viewer also includes multiple symbols
that identify different output actions and logic for presenting a
set of symbols over a set of graphical keys to identify a set of
keys of the 5 key based input device that are usable to directly
invoke a set of output actions based on an active operational
mode of the KEI system. A symbol identifies a particular out-
put action that is directly invocable with a press of a key of the
key based input device that corresponds to a graphical key
over which said symbol is presented.



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— *of inventorship (Rule 4.17(iv))*

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INTERNATIONAL SEARCH REPORT

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PCT/US 12/29572

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 3/00 (2012.01)

USPC - 715/961

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(8) - G06F 3/00 (2012.01)

USPC - 715/961

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IPC(8) - G06F 3/00 (2012.01); USPC - 715/700, 866, 961 (See Keywords Below)

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

PubWEST (PGPB,USPT,USOC,EPAB,JPAB), Google Scholar

Search terms: user interface, GUI, graphical interface, graphical, virtual, onscreen, on-screen, soft, key, button, input device, keyboard, key board, symbol, identifiers, identification, character, identifier, visual, show, recognize, display, output, function, action, designate.....

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/0152983 A1 (MCKILLOP et al.), 05 July 2007 (05.07.2007), entire document, especially Abstract; Figures 2, 3, 24-27; para [0020], [0025]-[0026], [0066]-[0067], [0069]-[0073], [0077]-[0080], [0087]-[0094], [0096]-[0099], [0108], [0116], [0143], [0148]-[0150], [0154]-[0159]	17 ----- 1-16 and 18-20
Y	US 2009/0174663 A1 (RUDD), 09 July 2009 (09.07.2009), entire document, especially Abstract; Figures 6, 7; para [0006], [0016]-[0020], [0030]-[0035], [0038]-[0043]	1-11
Y	US 2008/0066006 A1 (KIM), 13 March 2008 (13.03.2008), entire document, especially Abstract; para [0029]-[0031], [0044]-[0049], [0060]-[0062]	12-16 and 18-20
A	US 2009/0058823 A1 (KOCIENDA), 05 March 2009 (05.03.2009), entire document	1-20
A	US 2009/0070098 A1 (PATRYSHEV), 12 March 2009 (12.03.2009), entire document	1-20
A	US 2010/0281410 A1 (HEINTZE), 04 November 2010 (04.11.2010), entire document	1-20

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
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