Title: PROGRAMMABLE CONTROLLER HAVING REDUCED CONTROL KEY SET

Abstract: In some embodiments, a wall-mountable, programmable controller (2) having control keys (e.g., less than eight keys or another small number of keys), a subassembly including circuitry, and a control key insert (4) removably mountable to the subassembly and including at least one of the control keys. The controller can have first and second key sets (6, 8, 10) in distinct regions of the controller's surface and programmable switches that are actuated by pressing control keys (20, 24, 30) in the key sets. At least one switch actuable by pressing a key of the first key set (20) is programmed to perform a control operation of a first type (e.g., a power control operation), at least one switch actuable by pressing a key of the second key set (24) is programmed to perform a control operation of a second type (e.g., a source selection operation), no switch actuable by pressing a key of the first key set is programmed to perform a control operation of the second type, and no switch actuable by pressing a key of the second key set is programmed to perform a control operation of the first type. In some embodiments, the controller is configured to control a projector.

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INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : G06F 13/12; H04L 12/50
US CL : 710/67,62,5; 370/357
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)
U.S. : 710/67,62,5; 370/357

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 practicable, search terms used)
IEEE Explore

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,064,668 A (BROWN) 16 May 2000 (16.05.2000), Figs. 1,2,3, and 5; column 1, lines 40-53, column 2, lines 1-65, column 3, lines 35 to column 5, line 5.</td>
<td>1-43</td>
</tr>
<tr>
<td>A</td>
<td>US 6,140,987 A (STEIN et al) 31 October 2000 (31.10.2000), see entire disclosure.</td>
<td>1-43</td>
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☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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