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(54) **METHOD FOR PRODUCING A MAPPING TOOL, A PC GAME HAVING THE MAPPING TOOL AND OPERATION METHOD THEREFORE**

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G06F 13/12 (2006.01)
G06F 13/00 (2006.01)
(52) **U.S. Cl.** **710/62**; 463/36; 345/163
(58) **Field of Classification Search** 710/36–38, 710/62–67; 715/762; 463/36–39; 345/163
See application file for complete search history.

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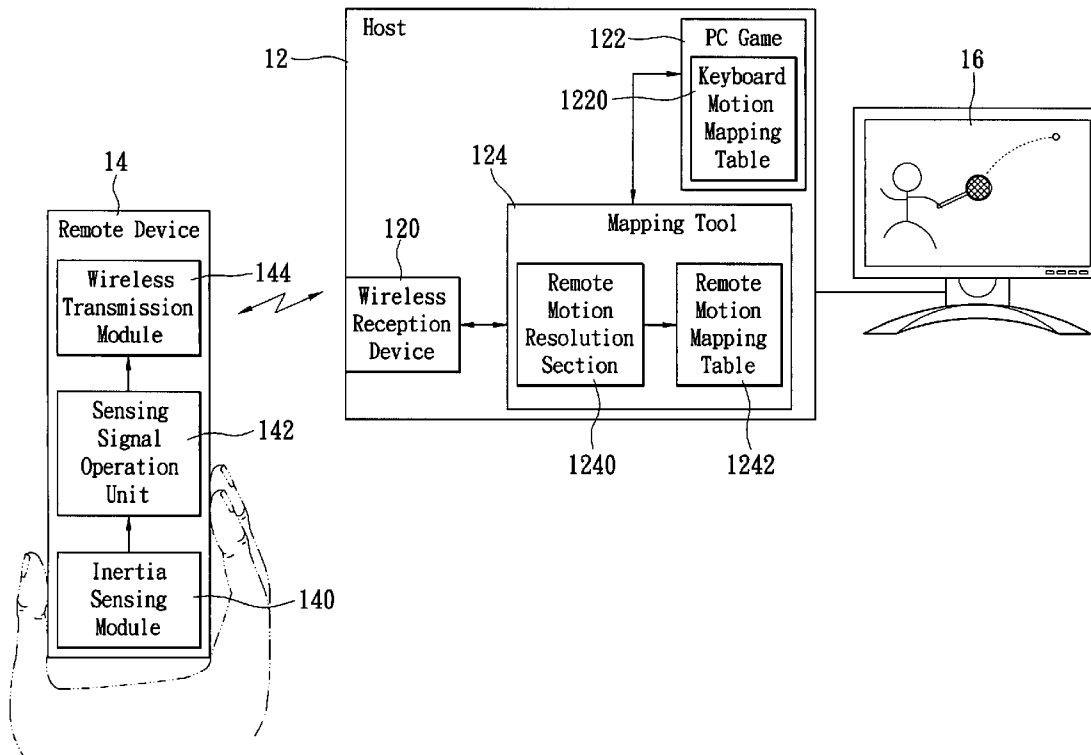|				
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(57) **ABSTRACT**

A method for producing a mapping tool, a PC game having the mapping tool and operation method therefore is disclosed. The mapping tool is created by means of linking a remote motion signal generated from a remote device which is operated by user with a keyboard signal from the inside of the conventional keyboard mapping table. User may operate the PC game through the mapping tool. The present invention employs the said mapping tool to replace the conventional keyboard motion mapping table, thereby achieving the objectives of providing natural ergonomic and consistently using the existing PC game having the keyboard motion mapping table.
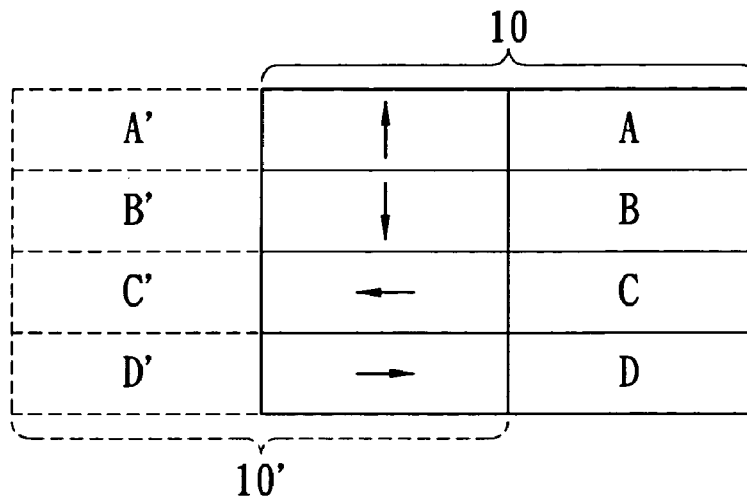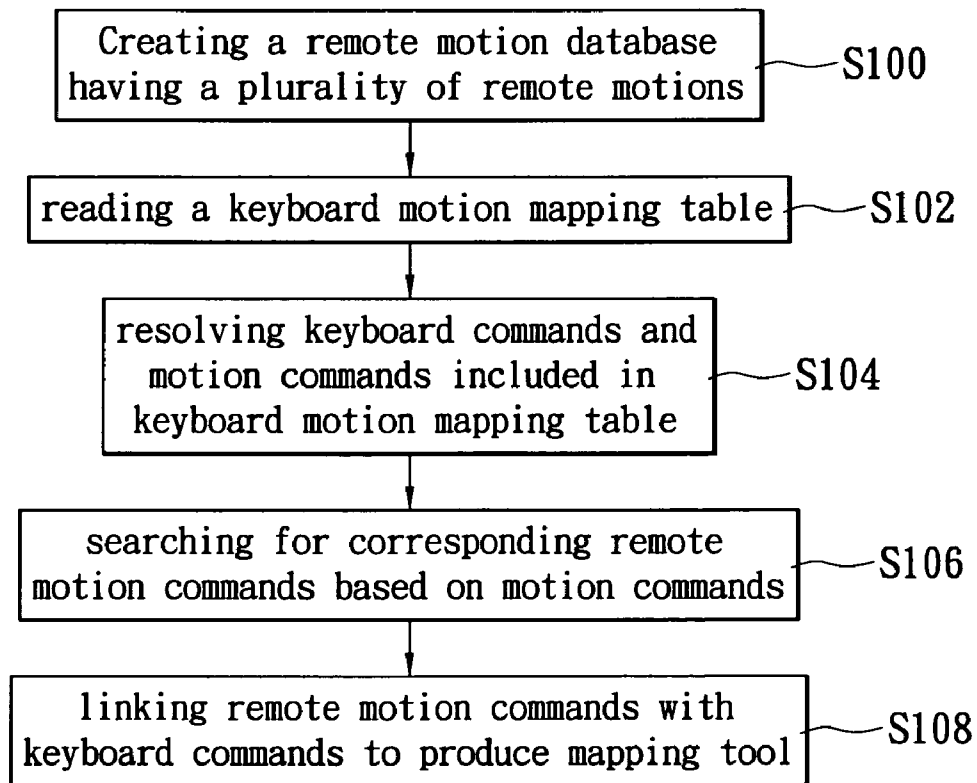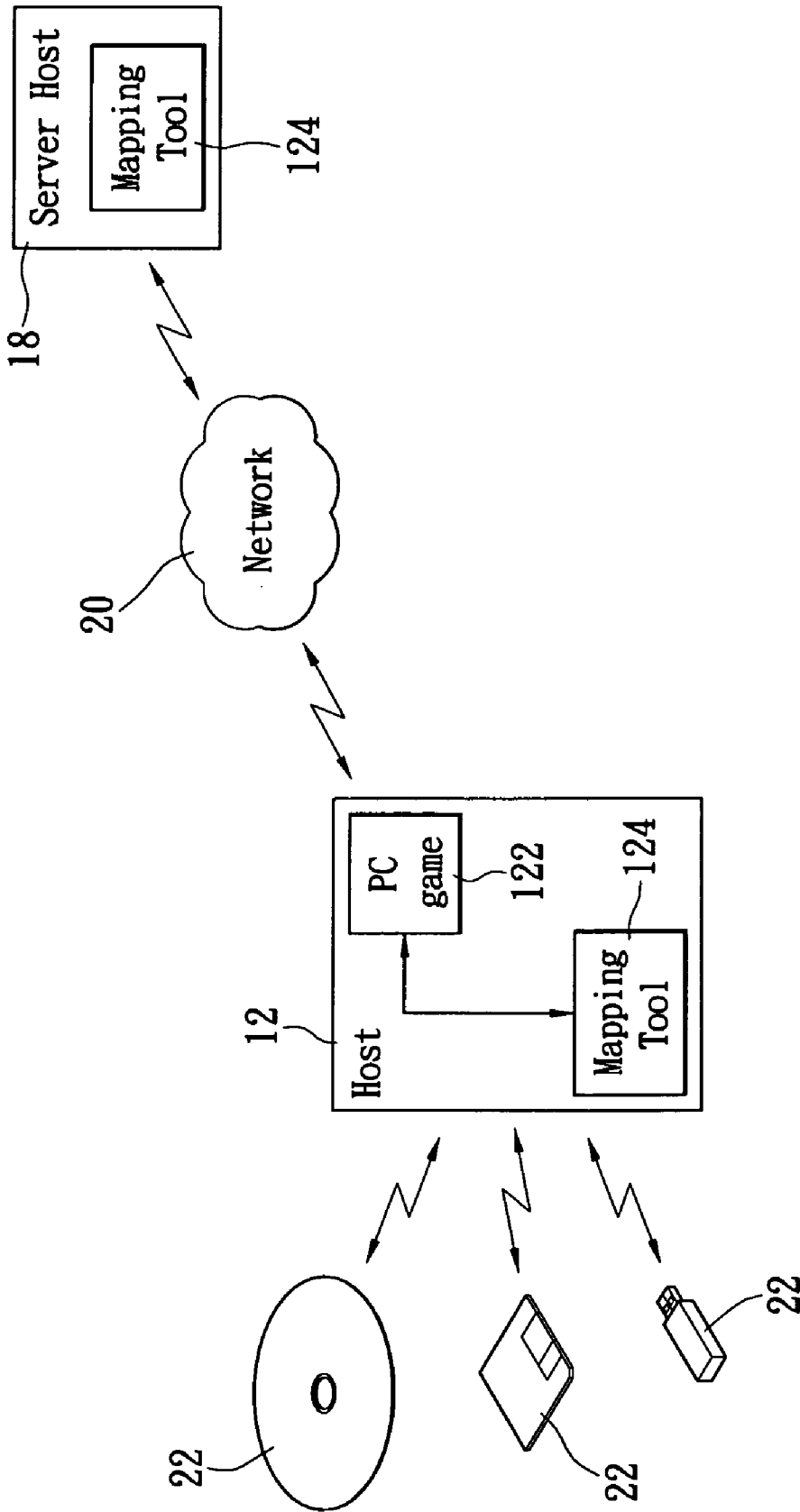
9 Claims, 4 Drawing Sheets

10

A'	↑	A
B'	↓	B
C'	←	C
D'	→	D

10'

FIG. 1A

```
┌─────────────────────────────────────────┐
│ Creating a remote motion database        │──— S100
│ having a plurality of remote motions     │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│ reading a keyboard motion mapping table  │──— S102
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│ resolving keyboard commands and          │
│ motion commands included in              │──— S104
│ keyboard motion mapping table            │
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│ searching for corresponding remote       │
│ motion commands based on motion commands │──— S106
└─────────────────────────────────────────┘
                    │
                    ▼
┌─────────────────────────────────────────┐
│ linking remote motion commands with      │
│ keyboard commands to produce mapping tool│──— S108
└─────────────────────────────────────────┘
```

FIG. 1B

FIG. 2A

FIG. 2B

Loading PC game having keyboard motion mapping table —— S200

Installing mapping tool —— S202

Receiving remote motion signal —— S204

Resolving remote motion signals through mapping tool —— S206

Separating keyboard key signal in the keyboard motion mapping table through mapping tool —— S208

Linking remote motion signals with keyboard key signals —— S210

Simulating keyboard key signal based on remote motion signal —— S212

Operating PC game using mapping tool —— S214

FIG. 3

DOCKET ALARM
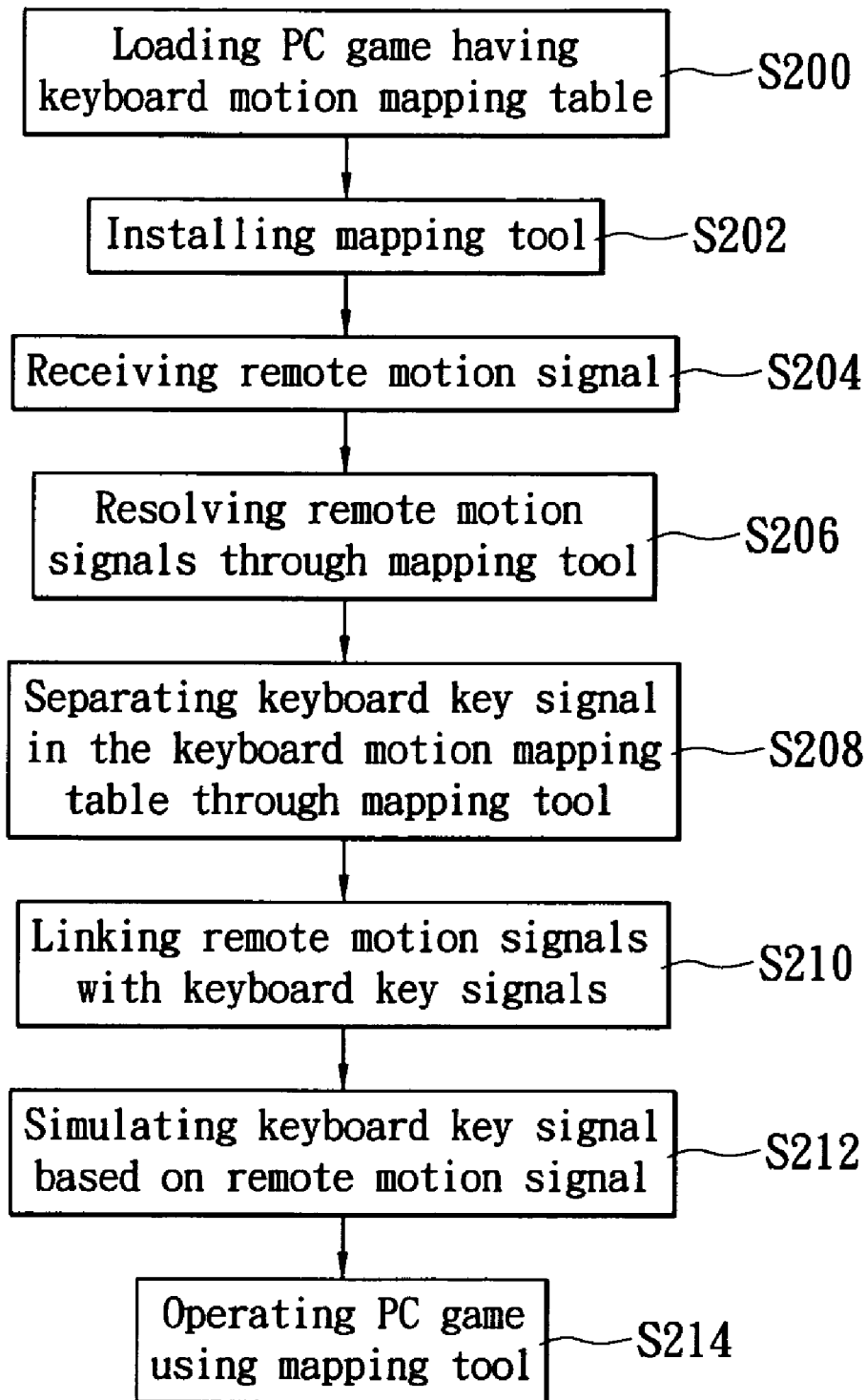
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