

Patent Owner Phison Electronics Corp Demonstrative Exhibits

IPR2013-00472 / IPR2014-00150

Overview - Independent Claim 1 of the '879 Patent



1. A Universal Serial Bus (USB) memory plug, comprising:
a housing having a plurality of orientated indentations and a plurality of concave props, wherein said plurality of orientated indentation facilitates said USB memory plug to be connected while said USB memory plug is inserted into a female USB socket; and a print circuit board assembly (PCBA) disposed in said housing, wherein said PCBA is fixed by means of pressing of said plurality of concave props, and a space is formed between said housing and said PCBA.

'879 Patent,
Exhibit 1001, Claim 1
Cited in Record at IPR2013-00472 Paper 2 at 7

Overview - Example USB Memory Plug of the '879 Patent

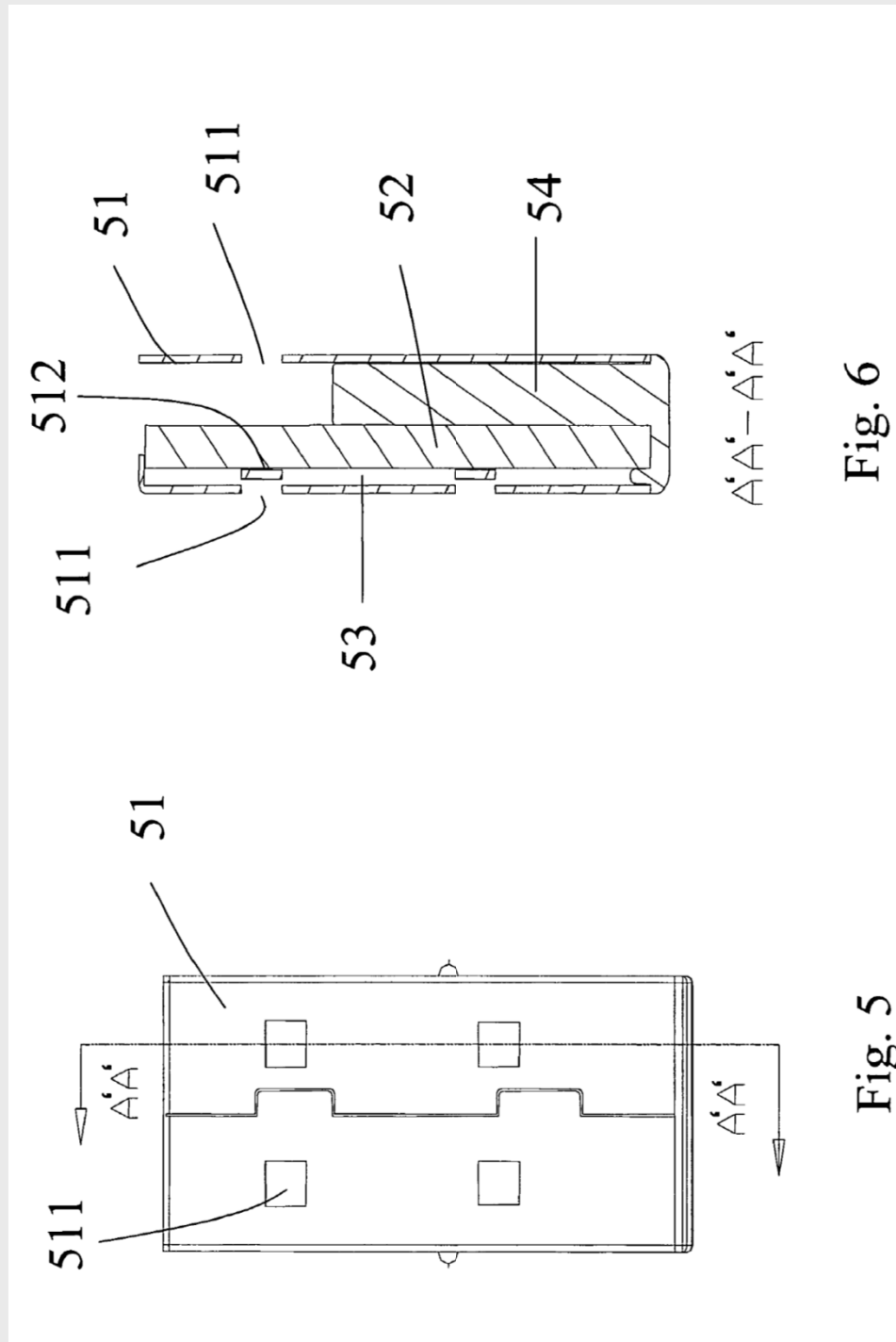


Fig. 5

Fig. 6

'879 Patent,
Exhibit 1001 at Fig. 5 and Fig 6

Cited in Record at IPR2013-00472, Paper 24 at 12

Overview - Objects of the '879 Patent



is an object of the present invention to provide a Universal Serial Bus (USB) memory apparatus, and in particular a USB memory plug, which decreases the cost, simplifies the manufacturing process, and is capable of introducing an extra module, such as a LED indicator, into the USB memory apparatus without increasing entirely the volume thereof.

'879 Patent,
Exhibit 1001 at 2:37-42

Cited in Record at IPR2013-00472, Paper 24 at 21

In conclusion, the present invention provides a Universal Serial Bus (USB) memory apparatus, which decreases the cost and increases the yield because the flake spacer is not introduced. Moreover, it simplifies the manufacturing process because the PCBA could be propped up by punched concave props instead of uncontrollable flake spacer. Additionally, the USB memory apparatus of the present invention is capable of introducing extra module, such as a LED indicator into the USB memory apparatus without increasing entirely volume thereof by means of using to the space between the housing and the PCBA. On the other hand, the housing could also be regarded as an entire case of the USB memory apparatus directly. Thus, the USB memory apparatus of the present invention can be miniaturized effectively.

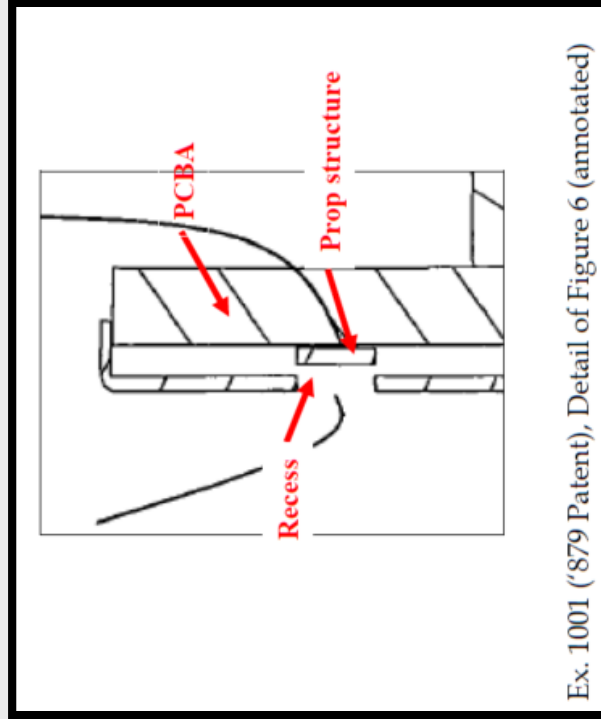
'879 Patent,
Exhibit 1001 at 5:40-53

Cited in Record at IPR2013-00472, Paper 24 at 21

Concave – “curving inward to form a recess”

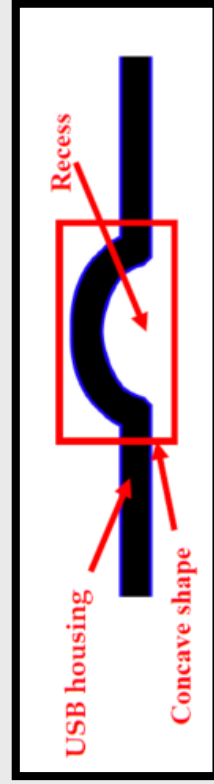


- “In my experience, a ‘concave’ shape must not only ‘curve inward,’ but must ‘form a recess’ (i.e., a hollow region) relative to the surrounding material.” Ex. 2008 (Visser Declaration) at Para. 22
- Concave - “hollow and curved like the inside half of a hollow ball.” Webster’s New World Dictionary, Ex. 2006 at p. 287



Ex. 1001 (‘879 Patent), Detail of Figure 6 (annotated)

Visser Declaration,
Exhibit 2008 at Para. 21
Cited in Record at IPR2013-00472, Paper 24 at 7



Visser Declaration,
Exhibit 2008 at Para. 23
Cited in Record at IPR2013-00472, Paper 24 at 19

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