

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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MICROSOFT CORPORATION and MICROSOFT MOBILE, INC.  
Petitioners

v.

GLOBAL TOUCH SOLUTIONS, LLC  
Patent Owner

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Case IPR2015-01151  
Patent No. 8,288,952

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**PATENT OWNER'S  
DEMONSTRATIVE EXHIBITS**

# Patent Owner

# Global Touch Solutions, LLC

## Demonstratives

IPR 2015-01151  
US Patent No. 8,288,952

August 4, 2016

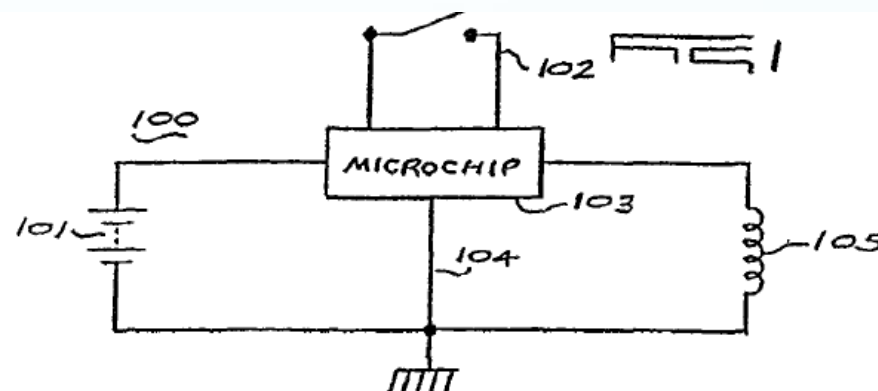
# Instituted Ground

- **Ground 1:** Claims 1-4, 14, 16, 17, 19, 22-24, 26, 27, and 38-40 obvious under 35 U.S.C. § 103(a) over U.S. Patent No. 6,125,286 ("Jahagirdar") (Ex. 1004) in view of U.S. Patent No. 4,053,789 ("Schultz") (Ex. 1005).

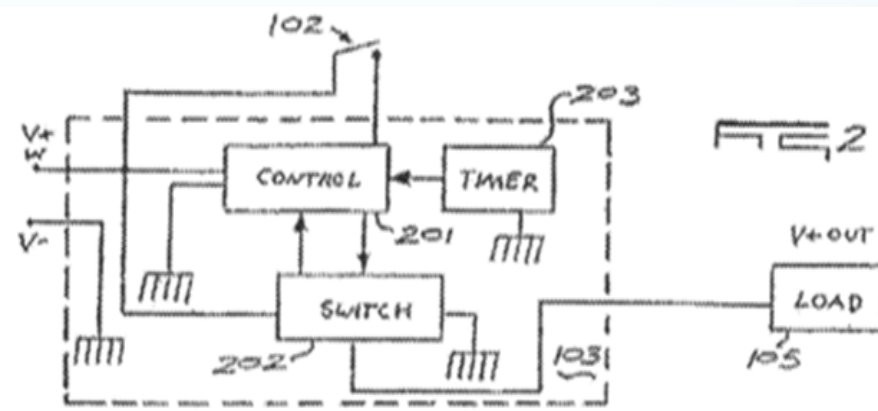
# '952 Patent: Overview

The structure and operational parameters of such a microchip 103 are explained in greater detail below with respect to FIG. 2. As shown in FIG. 1, power is supplied to microchip 103 by power source 101. When an operator activates input switch 102 to the "on" position it represents a command which is communicated to microchip 103. Input means 102 requires very low current in preferred embodiments. In one embodiment of the invention, microchip control/reset means 101 simply allows the current switch 202 to pass current provided from power source 101 to load 105 in an unimpeded manner when the MMI switch 102 is activated, and, in the case of a flashlight, illumination is obtained. It is important to recognize, however, that it is control circuit 201 which activates current switch 202 upon acting on an input from MMI switch 102. Unlike heretofore known prior art devices, activating switch 102 does not conduct current to load 105, but is only a command input mechanism which can, according to the invention, operate on very low current. For example, according to the invention, touch sensor input or carbon coated membrane type switch devices are preferred.

Ex. 1001 at 7:12-31 (cited in Paper 14 at 3-4)



Ex. 1001 at FIG. 1

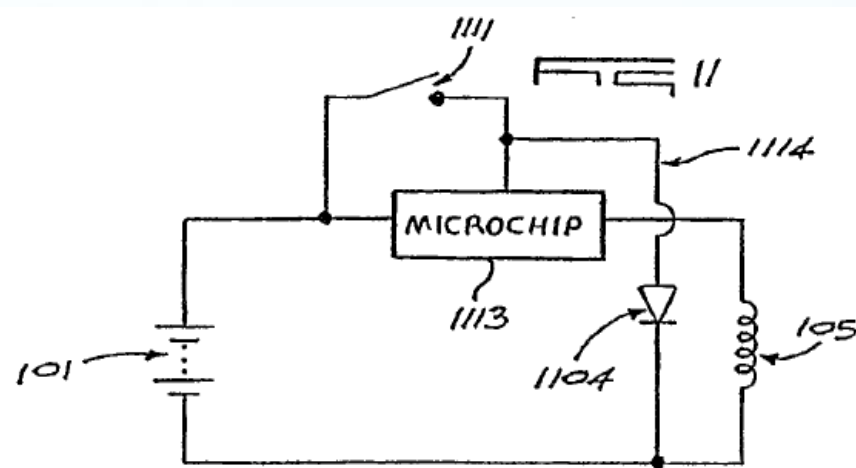


Ex. 1001 at FIG. 2

# '952 Patent: Overview

According to another embodiment of the present invention, an output may be provided to indicate a condition, e.g. a battery is in good or bad condition. It may also be suitable to assist in locating a device, e.g. but not limited to a flashlight, in the dark. This may be a separate output pin or may be, according to another embodiment, shared with the MMI switch input. (See FIG. 11) This output or indicator may be an LED. Referring to FIG. 11, indicator/output device 1104 may, for example, be an LED. When microchip 1113 pulls the line 1114 to high, the LED 1104 shines. LED 1104 may also shine when switch 1111 is closed by the user. However, since that is only a momentary closure, this should not create a problem.

Ex. 1001 at 9:46-57 (cited in Paper 14 at 5)



Ex. 1001 at FIG. 11 (cited in Paper 14 at 5)

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