

APPLE INC.,
Petitioner,

v.

OMNI MEDSCI, INC.,
Patent Owner.

Omni MedSci's Demonstration
Exhibits

U.S. Patent No. 10,517,484

IPR2021-00453

May 5, 2022

Outline

- Ground 1: The “pulse rate” limitation
 - Lisogurski alone: CCM
 - **Omni’s evidence is unrefuted: CCM firing rate changes do not**
 - Not *configured* to increase SNR by increasing an LED pulse rate
 - “Sampling rate” \neq “firing rate”
 - Lisogurski + Carlson
 - **Apple’s combination improperly destroys CCM’s principle of**
- Ground 2: Claims 3, 8, and 16
 - **Petition ignores differences** between “to *detect* an object”
 - Lisogurski does not “detect an object”
 - Lisogurski does not “identify an object”
- Grounds 2–4: No motivation to combine the reference

GROUND 1: THE "PULSE R LIMITATION

Lisogurski CCM

Lisogurski CCM modulating at Carlson 1000

The “pulse rate” limitation

the wearable device

configured

to ***increase the signal-to-noise ratio*** . . .

by increasing a pulse rate of at least one of
semiconductor sources

from an initial pulse rate

LISOGURSKI ALONE

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