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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

K/S HIMPP
Petitioner

v.

III HOLDINGS 7, LLC
Patent Owner

Case IPR2017-00929
Patent No. 7,929,722

PETITION FOR *INTER PARTES* REVIEW OF CLAIMS 1-5, 7, 8, 11, 12, 14-16, AND 20-30 OF U.S. PATENT NO. 7,929,722

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2. [1.2] "Detecting a coprocessor device"....12
3. [1.3] "Comparing a functionality of a hearing assist device to a functionality of the coprocessor device to determine if: a signal processing functionality absent from the hearing assist device is available on the coprocessor device or a signal processing functionality absent from the coprocessor device is available on the hearing assist device; or a signal processing functionality present on the hearing assist device is enhanced on the coprocessor device or a signal processing functionality present on the coprocessor device is enhanced on the hearing assist device"....14
4. [1.4] "Directing a signal obtained at the hearing assist device for at least partial processing to at least one the hearing assist device or the coprocessor device"....18
B. Claim 2....19

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1. [2.1] “One or more processor-readable storage media of claim 1, further comprising: detecting an additional coprocessor device” 19

2. [2.2] “Comparing the functionality of at least one of the hearing assist device or the coprocessor device to the additional coprocessor device to determine if: a signal processing functionality absent from one of the hearing assist device, the coprocessor device, or the additional coprocessor device is available on the hearing assist device, the coprocessor device, or the additional coprocessor device; or a signal processing functionality present on one of the hearing assist device, the coprocessor device, or the additional coprocessor device is enhanced on the hearing assist device, the coprocessor device, or the additional coprocessor device” 20

3. [2.3] “Directing the signal obtained at the hearing assist device for at least partial processing to at least one the hearing assist device or the coprocessor device, or the additional coprocessor device” 21

C. Claim 3 – “one or more processor-readable storage media of claim 1, wherein the signal processing functionality present on the hearing assist device is enhanced on the coprocessor device or the [sic, an] additional coprocessor device, the enhancement comprising at least one of an enhanced signal processing algorithm or an enhanced processing capability of the coprocessor device or the additional coprocessor device” 22

D. Claim 7 – “one or more processor-readable storage media of claim 1, wherein the signal is processed at least partially in series by a plurality of the hearing assist device, the coprocessor device, or the [sic] one or more additional coprocessor devices” 23

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1. [8.1] “A method comprising: detecting a coprocessor device”.....24
2. [8.2] “Comparing a functionality of the coprocessor device to a functionality of a hearing assist device”.....24
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F. Claim 11 – “method of claim 8, wherein the directing is based on at least one of: an availability of the coprocessor device; a user input; or a determination that, based on the comparing, the coprocessor device has a necessary functionality to process the signal” 24

G. Claim 12 – “method of claim 8, wherein the functionality of the coprocessor device and the functionality of the hearing assist device each comprise at least one of: a processor speed; a processor load; a processor capability; a memory capacity; a memory capability; an available signal processing algorithm; an ability to enhance a signal processing algorithm; a sensor capability; or a strength of a communication signal” 25

H. Claim 14 – “method of claim 8, further comprising processing the signal at least in part by the hearing assist device if the directing directs the signal to the hearing assist device” 26

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J. Claim 16 – “method of claim 8, further comprising: processing the signal in part by the hearing assist device and receiving a processed signal from the coprocessor device if the directing directs the signal to the hearing assist

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