


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Poeze et al.
U.S. Patent No.: 10,258,265 Attorney Docket No.: 50095-00006IP1
Issue Date: April 16, 2019
Appl. Serial No.: 16/212,440
Filing Date: December 6, 2018
Title: MULTI-STREAM DATA COLLECTION SYSTEM FOR
NONINVASIVE MEASUREMENT OF BLOOD
CONSTITUENTS

DECLARATION OF DR. THOMAS W. KENNY

Declaration

I declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable under Section 1001 of Title 18 of the United States Code.

By:  _____

Thomas W. Kenny, Ph.D.

Masimo Ex. 2020
Applied Medical

Contents

I. QUALIFICATIONS AND BACKGROUND INFORMATION.....	5
II. OVERVIEW OF CONCLUSIONS FORMED	11
III. LEVEL OF ORDINARY SKILL IN THE ART	13
IV. LEGAL STANDARDS	14
A. Terminology	14
B. Legal Standards for Anticipation.....	14
C. Legal Standards for Obviousness	15
V. HISTORICAL AND TECHNICAL OVERVIEW.....	20
VI. THE '265 patent	20
A. Overview of the '265 patent.....	20
VII. SUMMARY OF THE PRIOR ART.....	25
A. Overview of Aizawa.....	25
B. Overview of Inokawa	28
C. Overview of Ohsaki.....	32
D. Overview of Mendelson-1988.....	34
E. Overview of Mendelson-2006.....	36
F. Overview of Beyer, Jr.....	40
VIII. GROUND 1A – Claims 1-4, 6-14, 16, 17, 19-23, and 26-29 Are Rendered Obvious by Aizawa in view of Inokawa.....	41
A. Claim 1	41
B. Claim 2	58
C. Claim 3	59
D. Claim 4	60
E. Claim 6	63
F. Claim 7	63
G. Claim 8	64
H. Claim 9	65
I. Claim 10	67
J. Claim 11	68

K. Claim 12	69
L. Claim 13	71
M. Claim 14	71
N. Claim 16	72
O. Claim 17	72
P. Claim 19	73
Q. Claim 20	73
R. Claim 21	74
S. Claim 22	75
T. Claim 23	76
U. Claim 26	77
V. Claim 27	79
W. Claim 28	80
X. Claim 29	81
IX. GROUND 1B –Claims 1-4, 6-14, 16, 17, 19-23, and 26-29 Are Rendered Obvious by Aizawa in view of Inokawa and Ohsaki	81
A. Claims 1-4, 6-14, 16, 17, 19-23, and 26-29	81
X. GROUND 1C – Claims 23-24 Are Rendered Obvious by Aizawa in view of Inokawa and Mendelson-2006.....	84
A. Claim 23	84
B. Claim 24	88
XI. GROUND 1D – Claims 23-24 Are Rendered Obvious by Aizawa in view of Inokawa, Goldsmith, and Lo.....	89
A. Claim 23	89
B. Claim 24	93
XII. GROUND 1E – Claim 25 Is Rendered Obvious by Aizawa in view of Inokawa, Mendelson-2006, and Beyer, Jr.	93
A. Claim 25	93
XIII. GROUND 2A – Claims 1-4, 6-14, 16-22, and 26-30 Are Rendered Obvious by Mendelson-1988 in View of Inokawa	96
A. Claim 1	97
B. Claim 2	108

C. Claim 3109

D. Claim 4110

E. Claim 6111

F. Claim 7111

G. Claim 8112

H. Claim 9113

I. Claim 10113

J. Claim 11114

K. Claim 12115

L. Claim 13117

M. Claim 14118

N. Claim 16118

O. Claim 17118

P. Claim 18119

Q. Claim 19119

R. Claim 20120

S. Claim 21121

T. Claim 22122

U. Claim 26123

V. Claim 27126

W. Claim 28127

X. Claim 29130

Y. Claim 30130

XIV. GROUND 2B – Claims 23-24 Are Rendered Obvious by Mendelson-1988 in view of Inokawa and Mendelson-2006.....131

 A. Claim 23131

 B. Claim 24133

XV. GROUND 2C – Claim 25 Is Rendered Obvious by Mendelson-1988 in view of Inokawa, Mendelson-2006, and Beyer, Jr.134

 A. Claim 25134

XVI. CONCLUSION.....138

I. QUALIFICATIONS AND BACKGROUND INFORMATION

1. My education and experience are described more fully in the attached curriculum vitae (APPLE-1004). For ease of reference, I have highlighted certain information below.

2. My academic and professional background is in Physics, Mechanical Engineering, Sensing, and Robotics, with a research specialization focused on microfabricated physical sensors, and I have been working in those fields since the completion of my Ph.D. more than 30 years ago. The details of my background and education and a listing of all publications I have authored in the past 35 years are provided in my curriculum vitae, attached as Exhibit A. Below I provide a short summary of my education and experience which I believe to be most pertinent to the opinions that I express here.

3. I received a B.S. in Physics from University of Minnesota, Minneapolis in 1983, and a Ph.D. in Physics from University of California at Berkeley in 1989. I was educated as a Physicist specializing in sensors and measurement. My Physics Ph.D. thesis involved measurements of the heat capacity of monolayers of atoms on surfaces, and relied on precision measurements of temperature and power using time-varying electrical signals, and also on the design and construction of miniature sensor components and associated electrical circuits for conditioning and conversion to digital format.

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