

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Apple, Inc.
Petitioner

v.

ERICSSON INC. ET AL.
("Ericsson"),
Patent Owner

Case XXXXXX
Patent No. 9,300,432

DECLARATION OF DR. R. MICHAEL BUEHRER

TABLE OF CONTENTS

I.	Introduction.....	14
II.	Background and Qualifications	15
III.	Level of Ordinary Skill in the Art.....	18
IV.	Materials Considered and Relied Upon.....	19
V.	Legal Standards.....	21
	A. Legal Standards for Prior Art.....	21
	B. Legal Standard for Priority Date	23
	C. Legal Standard for Obviousness	23
VI.	Overview of the '432 Patent	26
	A. Subject Matter Overview	26
	B. File History of the '432 Patent	30
	C. Interpretation of the '432 Patent Claims at Issue.....	30
VII.	Overview of the Cited References	32
	A. TS 25.331 (APPLE-1004).....	32
	B. TS 25.214 (APPLE-1005).....	34
	C. R1-074426 (APPLE-1006).....	35
	D. Sampath (APPLE-1007).....	36
	E. Wintzell (APPLE-1008).....	37
	F. Catreux-Erceg (APPLE-1009)	38
VIII.	TS 25.331 in view of TS 25.214 renders claims 1, 2, 4-7, 9-12, 14-16, 18 obvious.....	40

A.	Combination of TS 25.331 and TS 25.214	40
B.	Independent Claim 1	41
	[1pre] A method, in a user equipment, of enabling link quality estimation of a radio channel used for transmitting signals from a sending node to the user equipment, the method comprising:	42
	[1a] receiving, from the sending node and by dedicated higher layer signaling, a user equipment specific measurement adjusting parameter for adjusting signal power measurements;.....	45
	[1b] measuring properties based on reference symbols of the radio channel transmitted by the sending node;	47
	[1c] adjusting the measured properties of the radio channel based on the received measurement adjusting parameter; and.....	49
	[1d] sending, to the sending node, a channel state information report based on the adjusted measured properties.	50
C.	Claim 2	52
D.	Claim 4	53
E.	Claim 5	54
	[5a] The method of claim 1, further comprising: receiving payload data and reference symbols from the sending node; and	54
	[5b] configuring the channel state information report based on signal measurements on the reference symbols;.....	56
	[5c] wherein the measurement adjusting parameter compensates for a difference in received power of measured signals and data signals.	57
F.	Claim 6	59
	[6pre] A user equipment, comprising:	59
	[6a] a signal receiving circuit adapted to receive, from a sending node and by dedicated higher layer signaling, a	

	user equipment specific measurement adjusting parameter for adjusting signal power measurements;	60
	[6b] a signal measuring circuit configured to measure properties based on reference symbols of the radio channel transmitted by the sending node;	61
	[6c] a quality estimating circuit configured to adjust the measured properties of the radio channel based on the received measurement adjusting parameter; and	62
	[6d] a reporting circuit configured to send, to the sending node, a channel state information report based on the adjusted measured properties.	63
G.	Claim 7	63
H.	Claim 9	64
I.	Claim 10	65
	[10a] The user equipment of claim 6: wherein the signal receiving circuit is configured to receive payload data and reference symbols from the sending node;	65
	[10b] wherein the signal receiving circuit is configured to configure the channel state information report based on signal measurements on the reference symbols;.....	66
	[10c] wherein the measurement adjusting parameter compensates for a difference in received power of measured signals and data signals.	66
J.	Claim 11	66
	[11pre] A method, in a sending node, for enabling link quality estimation of a radio channel used for transmitting signals from the sending node to a user equipment, the method comprising:	67
	[11a] sending, by dedicated higher layer signaling, a user equipment specific measurement adjusting parameter to the user equipment for adjusting signal power measurements; and	68
	[11b] receiving a channel state information report from the user equipment, the channel state information report including	

	measured properties defined by reference symbols of the radio channel transmitted by the sending node adjusted in accordance with the sent measurement adjusting parameter.....	68
K.	Claim 12	69
L.	Claim 14	69
	[14a] The method of claim 11, further comprising: sending payload data and reference symbols to the user equipment, which configures the channel state information report based on signal measurements on the reference symbols;	70
	[14b] wherein the measurement adjusting parameter compensates for a difference in received power of measured signals and data signals.	70
M.	Claim 15	71
	[15pre] A sending node for enabling link quality estimation of a radio channel used for transmitting signals from the sending node to a user equipment, comprising:.....	71
	[15a] a sending circuit configured to send, by dedicated higher layer signaling, a user equipment specific measurement adjusting parameter to the user equipment for adjusting signal power measurements; and	72
	[15b] a report receiver configured to receive a channel state information report from the user equipment, the channel state information report including measured properties defined by reference symbols of the radio channel transmitted by the sending node adjusted in accordance with the sent measurement adjusting parameter.	73
N.	Claim 16	73
O.	Claim 18	74
	[18a] The sending node of claim 15: wherein the sending circuit is configured to send payload data and reference symbols to the user equipment, which configures the channel state	

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