UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD AND DELL TECHNOLOGIES INC.

Petitioners

v.

MYPAQ HOLDINGS LTD.

Patent Owner

Case No. IPR2022-00311

U.S. Patent No. 8,477,514

EX. 2018

DECLARATION OF DR. FRANK FERRESE



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		1.	Chagny does not teach or suggest a "power converter controller configured to receive a signal from said load indicating a system operation operational state of said load" as required by independent claim 1	



2.	Chagny does not teach or suggest a "power system controller configured to provide a signal characterizing a power requirement" as required by independent
	Claim 627
3.	Chagny does not teach "a power system controller configured to enable operation of components of a
	processor system to establish a state of power drain thereof" as required by Claims 11 and 1629
4.	Chagny does not teach or suggest enabling operation of components of a processor system to establish a state of power drain thereof
5.	Chagny does not teach or suggest a "power system controller" as required by independent claims 6 and 1134
6.	Chagny does not teach or suggest claims 2-5, 7-10, 12, 14-15, 17 or 19-20
7.	Chagny does not teach or suggest a "power converter as recited in claim 1 wherein said power converter controller is further configured to provide another signal to control said duty cycle of said power switch as a function of said output characteristic and in accordance with said signal" as required by Claims 2, 7, 12 and 17
8.	Chagny does not teach or suggest "[t]he power converter as recited in claim 1 wherein said power converter controller is configured to adjust said internal operating characteristic over a period of time" as required by Claims 3, 8, 14 and 1939
9.	Chagny does not teach or suggest a "power converter as recited in claim 1 wherein said load is a processor and said system operational state is dependent on one of a core state and a performance state of said processor" as required by Claims 4 and 9
	nrocessor" as required by Claims 4 and 9 44



В.	Ground 1B: Claims 1-20 are not rendered obvious by Chagny in view of the knowledge of a POSITA				
C.					
	1.	Hwang does not disclose "a power converter controller configured to receive a signal from said load indicating a system operational state of said load" as required by independent Claim 1	48		
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	6.	Hwang does not teach or suggest claims 2-5, 7-10, 17 or 19-20	60		
	7.	Hwang does not disclose or suggest a power converter "wherein said power converter controller is further configured to provide another signal to control said duty cycle of said power switch as a function of said output characteristic and in accordance with said signal" as required by Claim 2, 7, 12 and 17	60		
	8.	Hwang does not disclose a power converter "wherein said power converter controller is configured to adjust said internal operating characteristic over a period of			
		time" as required by Claims 3, 8, 14 and 10	62		



		9. Hwang does not disclose a power converter, "wherein said load is a processor and said system operational state is dependent on one of a core state and a performance state of said processor" as required by claims 4 and 9	65
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