

Apple Inc.
v.
Qualcomm Incorporated

IPR2018-01315

IPR2018-01316

U.S. Patent No. 8,063,674

Patent Owner's Demonstrative Exhibits

'674 Patent – Claim 1

1. A multiple supply voltage device comprising:

a core network operative at a first supply voltage; and

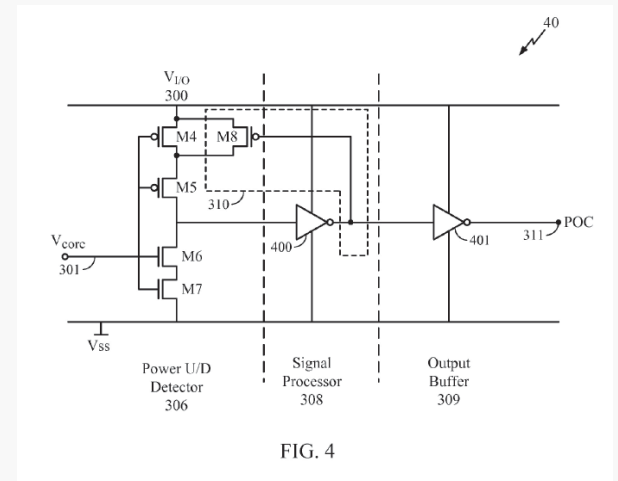
a control network coupled to said core network wherein said control network is configured to transmit a control signal, said control network comprising: an up/down (up/down) detector configured to detect a power state of said core network; processing circuitry coupled to said up/down detector and configured to generate said control signal based on said power state;

one or more feedback circuits coupled to said up/down detector, said one or more feedback circuits configured to provide feedback signals to adjust a current capacity of said up/down detector;

at least one first transistor coupled to a second supply voltage, the at least one first transistor being configured to switch on when said first supply voltage is powered down and to switch off when said first supply voltage is powered on;

at least one second transistor coupled in series with the at least one first transistor and coupled to said first supply voltage, the at least one second transistor being configured to switch on when said first supply voltage is powered on and to switch off when said first supply voltage is powered down;

at least one third transistor coupled in series between the at least one first transistor and the at least one second transistor.



Contested Grounds

I. AAPA/MAJCHERCZAK GROUNDS

- IPR2018-01315, Ground 2a: Claims 1, 2, 5 and 6 as obvious over AAPA and Majcherczak
- IPR2018-01315, Ground 2b: Claim 7 as obvious over AAPA, Majcherczak, and Matthews
- IPR2018-01316, Ground 2a: Claims 8, 9, 12, 13 and 17-21 as obvious over AAPA and Majcherczak
- IPR2018-01316, Ground 2b: Claims 16 and 22 as obvious over AAPA, Majcherczak, and Matthews

II. STEINACKER/DOYLE/PARK GROUNDS

- IPR2018-01315, Ground 1: Claims 1, 2 and 5-7 as obvious over Steinacker, Doyle, and Park
- IPR2018-01316, Ground 1: Claims 8, 9, 12, 13, and 16-22 as obvious over Steinacker, Doyle, and Park

Patentability

I. AAPA/MAJCHERCZAK GROUNDS

- *Inter Partes* Review Cannot be Based on AAPA
- The POSA Would Not Combine the Alleged AAPA with Majcherczak

II. STEINACKER/DOYLE/PARK GROUNDS

- The Petition Does Not Articulate a Sufficient Motivation to Combine
- The POSA Would Not Combine Steinacker, Doyle, and Park
- The Combination of Steinacker, Doyle, and Park Does Not Teach All of the Limitations of Dependent Claim 5

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