

EXHIBIT 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

LG ELECTRONICS, INC.,
LG ELECTRONICS U.S.A., INC., and
LG ELECTRONICS MOBILECOMM U.S.A., INC.
Petitioner

v.

CYPRESS SEMICONDUCTOR CORP.
Patent Owner

Patent 6,493,770

PETITION
to Institute an *Inter Partes* Review of
U.S. Patent No. 6,493,770
under
37 C.F.R. § 42.100 et seq.

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A. Ground #1: Claims 1, 5, 7, 10, 11, 15-17 of the ‘770 Patent are Obvious under Section 103(a) over the APA and Yap19

- 1. Admitted Prior Art19
- 2. Claim 122
- 3. Claim 528
- 4. Claim 729
- 5. Claim 1030
- 6. Claim 1131
- 7. Claim 1532
- 8. Claim 1632
- 9. Claim 1733

B. Ground #2: Claims 2, 3, 12, and 13 of the ‘770 Patent are Obvious under Section 103(a) over the APA, Yap, and Michelson.....33

- 1. Claim 233
- 2. Claim 336
- 3. Claim 1237
- 4. Claim 1337

C. Ground #3: Claims 1-3, 10-13, 16, 17, 18, and 20 are unpatentable under 35 U.S.C. § 103, as being obvious over Michelson, PCCextend, and Davis ..37

- 1. Claim 137

2. Claim 245

3. Claim 346

4. Claim 10.....47

5. Claim 1147

6. Claim 12.....47

7. Claim 13.....48

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10. Claim 18.....51

11. Claim 20.....53

D. Ground #4: Claims 5, 7, 15, and 19 of the ‘770 Patent are unpatentable under 35 U.S.C. § 103, as being obvious over Michelson, PCCextend, Davis, and the APA54

1. Claim 5.....54

2. Claim 7.....55

3. Claim 15.....55

4. Claim 19.....56

E. Ground #5: Claims 18-20 are unpatentable under 35 U.S.C. § 102(e) as being anticipated by Yap57

1. Claim 18.....57

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