

## **U.S. Patent No. 8,549,339 (“’339 Patent”)**

### **Accused Products**

MediaTek’s SoC products comprising two or more sets of processors supporting or based on the DynamIQ Shared Unit architecture (*e.g.*, ARMv8.2, ARMv9 ARMv9.2, and successors), including without limitation the Helio X20 (MT6797), Helio X23 (MT6797D), Helio X25 (MT6797T), Helio X27 (MT6797X), Helio X30 (MT6799), Helio P60 (MT6771), Helio P65 (MT6768), Helio P70 (MT6771V/CT, MT6771V/WT), Helio P90 (MT6779V/CU), Helio G70 (MT6769V/CB), Helio G80 (MT6769T, MT6769V/CT, MT6769V/CU), Helio G85 (MT6769Z, MT6769V/CZ), Helio G88 (MT6769H), Helio G91 (MT6769G), Helio G90 (MT6785V/CD), Helio G90T (MT6785V/CC), Helio G95 (MT6785V/CD), Helio G96 (MT6781, MT6781V/CD), Helio G99 (MT6789, MT6789G, MT6789U, MT6789V/CD, MT8781, MT8781V/CA, MT8781V/NA), Helio G100, Dimensity 700 aka Dimensity 6020 (MT6833, MT6833G, MT6833V/ZA, MT6833V/NZA), Dimensity 720 (MT6853V/ZA, MT6853V/NZA), Dimensity 800 (MT6853T, MT6853V/TNZA), Dimensity 800 (MT6873), Dimensity 810 aka Dimensity 6080 (MT6833P, MT6833GP, MT6833V/PNZA), Dimensity 820 (MT6875), Dimensity 900 (MT6877, MT6877V/ZA), Dimensity 920 (MT6877, MT6877T, MT6877V/TZA), Dimensity 930 aka Dimensity 7020 (MT6855, MT6855V/AZA), Dimensity 1000C (MT6883Z/CZA), Dimensity 1000L (MT6885Z/CZA), Dimensity 1000 (MT6889), Dimensity 1000+ (MT6889Z/CZA), Dimensity 1050 aka Dimensity 7030 (MT6879, MT6879V/ZA, MT6879V\_T/ZA), Dimensity 1080 aka Dimensity 7050 (MT6877, MT6877V/TTZA, MT6877V\_T/TTZA), Dimensity 1100 aka Dimensity 8020 (MT6891, MT6891Z/CZA, MT6891Z\_Z/CZA), Dimensity 1200 (MT6893, MT6893Z/CZA, MT6893Z\_A/CZA), Dimensity 1300 aka Dimensity 8050 (MT6893Z, MT6893Z\_T/CZA), Dimensity 6100+ (MT6835 MT6835V/ZA MT8755V/TZB), Dimensity 6300 (MT6835T), Dimensity 7025, Dimensity 7200 (MT6886, MT6886V\_A/CZA, MT6886V\_B/CZA), Dimensity 7300 (MT6878), Dimensity 7300X, Dimensity 7350, Dimensity 8000 (MT6895, MT6895Z/CZA), Dimensity 8100 (MT6895Z, MT6895Z/TCZA, MT6895Z\_A/TCZA, MT6895Z\_B/TCZA, MT6895ZB, MT8795, MT8795Z/TNZA), Dimensity 8200 (MT6896, MT6896Z, MT6896Z/CZA, MT6896Z\_B/CZA), Dimensity 8250, Dimensity 8300 (MT6897, MT6897Z\_A/ZA), Dimensity 9000 (MT6983, MT6983Z/CZA, MT8798, MT8798Z/CNZA), Dimensity 9000+ (MT6983, MT6983W/CZA, MT8798, MT8798Z/TNZA), Dimensity 9200 (MT6985), Dimensity 9200+ (MT6985, MT6985W/TCZA), Dimensity 9300 (MT6989, MT6989W/CZA, MT8796, MT8796W/CNZA), Dimensity 9300+, Kompanio 500 aka Helio P60T (MT8183), Kompanio 520 (MT8186), Kompanio 528 (MT8186T), Kompanio 800T, Kompanio 820 (MT8192), Kompanio 828, Kompanio 838, Kompanio 900T (MT8791), Kompanio 1200 (MT8195), Kompanio 1380 (MT8195T), Kompanio 1300T (MT8797), MT8135, MT8135V, MT8173, MT8176, MT8693, MT5329, MT8385 (i500), and all variants and iterations thereof (collectively, “Accused Products”), infringe at least Claims 1, 5, 8, 9, 10, 14, and 21 of the ’339 Patent.

Each Accused Product infringes the claims in substantially the same way, and the evidence shown in this chart is similarly applicable to each Accused Product. For example, each Accused Product includes a DynamIQ Shared Unit or big.LITTLE architecture and, on information and belief, implements substantially the same architectural features described in the reference documentation cited in this chart. Thus, the descriptions and evidence below relating to the MT6983 and Kompanio 1380 (MT8195T) representative products are similarly applicable to the remaining Accused Products listed above (for DynamIQ and big.LITTLE architectures

respectively). Each claim limitation is literally infringed by each Accused Product. However, to the extent any claim limitation is not met literally, it is nonetheless met under the doctrine of equivalents because the differences between the claim limitation and each Accused Product would be insubstantial, and each Accused Product performs substantially the same function, in substantially the same way, to achieve the same result as the claimed invention. Notably, MediaTek has not yet articulated which, if any, particular claim limitations it believes are not met by the Accused Products.

**Claim 1**

| Claim 1                                | Accused Products                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. A multi-core processor, comprising: | <p>To the extent the preamble is limiting, each Accused Product comprises a multi-core processor.</p> <p>For example, the MT6983 comprises eight cores implementing the ARM DynamIQ Shared Unit-110 architecture. In a further example, the MT8195T comprises ten cores implementing the ARM big.LITTLE architecture.</p> <p><i>See, e.g.:</i></p> |