

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of: Xiaodong Li, et al.
U.S. Patent No.: 10,965,512 Attorney Docket No.: 18768-0206IP1
Issue Date: March 30, 2021
Appl. Serial No.: 17/012,813
Filing Date: September 4, 2020
Title: METHOD AND APPARATUS USING CELL-SPECIFIC AND
COMMON PILOT SUBCARRIERS IN MULTI-CARRIER,
MULTI CELL WIRELESS COMMUNICATION NETWORKS

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UNITED STATES PATENT NO. 10,965,512

PURSUANT TO 35 U.S.C. §§ 311–319, 37 C.F.R. § 42

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EXHIBITS

| Exhibit No. | Description |
|--------------------|--|
| GM-1001 | U.S. Patent No. 10,965,512 to Li et al. (“’512 patent”) |
| GM-1002 | ’512 Patent Prosecution History |
| GM-1003 | Declaration of Dr. Paul Min |
| GM-1004 | International Patent Publication No. WO2004/049618 to Kim et al. (“Kim”) |
| GM-1005 | U.S. Patent No. 7,120,395 to Tong et al. (“Tong”) |
| GM-1006 | U.S. Patent Application Pub. No. 2004/0179627 to Ketchum et al. (“Ketchum”) |
| GM-1007 | U.S. Patent Application Pub. No. 2002/0163879 to Li et al. (“Li”) |
| GM-1008 | U.S. Patent No. 7,248,559 to Ma et al. (“Ma ’559”) |
| GM-1009 | Tufvesson, et al., <i>Pilot Assisted Channel Estimation For OFDM in Mobile Cellular Systems</i> , IEEE 47th Vehicular Technology Conference (1997) |
| GM-1010 | U.S. Patent No. 7,826,471 to Wilson et al. (“Wilson”) |
| GM-1011 | U.S. Patent No. 7,664,533 to Logothetis et al. (“Logothetis”) |
| GM-1012 | U.S. Patent No. 7,054,664 to Nagaraj (“Nagaraj”) |
| GM-1013 | International Patent Application No. WO 2004/056022 to Lee et al. (“Lee”) |
| GM-1014 | U.S. Patent No. 7,551,546 to Ma (“Ma ’546”) |
| GM-1015 | Anderson, <i>Fixed Broadband Wireless System Design</i> , Wiley (2003) (excerpts) |
| GM-1016 | U.S. Patent No. 7,852,746 to Jalali (“Jalali”). |
| GM-1017 | U.S. Patent Application Pub. No. 2004/0131007 to Smee et al. (“Smee”) |
| GM-1018 | U.S. Patent No. 7,650,152 to Li et al. (“Li ’152”) |
| GM-1019 | U.S. Patent Application Pub. No. 2004/0190598 to Seki et al. (“Seki”). |
| GM-1020 | Li, “A Novel Broadband Wireless OFDMA Scheme for Downlink in Cellular Communications,” Samsung Advanced Institute of Technology (IEEE) (2003) (“Li-Samsung”) |

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| GM-1021 | Hara et al., “ <i>Multicarrier Techniques for 4G Mobile Communications</i> ,” Artech House (2003) (excerpts) (“Hara”) |
| GM-1022 | U.S. Patent Application Pub. No. 2004/0228270 to Chen et al. (“Chen”) |
| GM-1023 | Van Nee et al., “OFDM for Wireless Multimedia Communications,” Artech House (2000) (“Van Nee”) (excerpts) |
| GM-1024 | Bahai et al., “ <i>Multi-Carrier Communications Theory and Applications of OFDM</i> ,” Springer Science (2004) (excerpts) (“Bahai”) |
| GM-1025 | U.S. Patent No. 7,039,001 to Krishnan et al. (Krishnan”) |
| GM-1026 | U.S. Patent No. 6,992,621 to Casas et al. (“Casas”) |
| GM-1027 | U.S. Patent No. 5,596,329 to Searle et al. (“Searle”) |
| GM-1028 | U.S. Patent Application Pub. No. 2005/0075125 to Bada et al. (“Bada”). |
| GM-1029 | Curriculum Vitae of Dr. Paul Min |
| GM-1030 | U.S. Provisional Patent Application No. 60/421,309 to Walton et al. (“309 Provisional”) |
| GM-1031 | U.S. Patent No. 7,012,882 to Wang et al. (“Wang”) |
| GM-1032 | Transfer Order, In re: Neo Wireless, LLC, Patent Litigation, Case MDL No. 3034, issued June 14, 2022 (ECF No. 50) |
| GM-1033 | Docket Sheet, Neo Wireless, LLC v. Volkswagen Group of America, Inc., Case No. 2:22-cv-11404 (E.D. Mich.) |
| GM-1034 | United States District Courts – National Judicial Caseload Profile, June 2022 |
| GM-1035 | Declaration of Dr. Matthew C. Valenti |

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