

EXHIBIT 114: USPN 8,380,244 INFRINGEMENT CHART

The **Nokia Lumia 820** complies with the HSPA+ and IEEE 802.11 standards. (Nokia Lumia 820 Datasheet at 2-3.) The **Nokia Lumia 820** includes the features cited in the chart below from the following Exhibits:

- Nokia Lumia 820 User Guide (“Nokia Lumia 820 User Guide”), (Exhibit 138).
- Nokia Lumia 820 Datasheet (“Nokia Lumia 820 Datasheet”), (Exhibit 139).
- 3GPP TS 23.002 – all citations in this chart are to Version 6.10.0, (Exhibit 56).
- 3GPP TS 23.060 – all citations in this chart are to Version 6.8.0, (Exhibit 57).
- 3GPP TS 24.007 – all citations in this chart are to Version 6.5.0, (Exhibit 58).
- 3GPP TS 24.008 – all citations in this chart are to Version 6.19.0, (Exhibit 59).
- 3GPP TS 25.101 – all citations in this chart are to Version 6.9.0, (Exhibit 61).
- 3GPP TS 25.211 – all citations in this chart are to Version 6.9.0, (Exhibit 63).
- 3GPP TS 25.212 – all citations in this chart are to Version 6.10.0, (Exhibit 65).
- 3GPP TS 25.213 – all citations in this chart are to Version 6.5.0, (Exhibit 67).
- 3GPP TS 25.301 – all citations in this chart are to Version 6.6.0, (Exhibit 69).
- 3GPP TS 25.302 – all citations in this chart are to Version 6.8.0, (Exhibit 70).
- 3GPP TS 25.309 – all citations in this chart are to Version 6.6.0, (Exhibit 72).
- 3GPP TS 25.321 – all citations in this chart are to Version 6.15.0, (Exhibit 74).
- 3GPP TS 34.123-1 – all citations in this chart are to Version 6.5.0, (Exhibit 76).
- IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture – all citations in this chart are to IEEE Std 802-2001 (Revision of IEEE Std 802-1990) (“IEEE Std 802”), (Exhibit 50).
- IEEE Standard for Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements, Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer

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(PHY) Specifications – all citations in this chart are to IEEE Std 802.11-2007 (Revision of IEEE Std 802.11-1999) (“IEEE Std 802.11 Part 11”), (Exhibit 51).

Devices complying with the IEEE 802.11 and HSPA standards, or later standards including the features of the IEEE 802.11 and HSPA standards, infringe one or more claims of U.S. Patent No. 8,380,244 set forth below.

USPN 8,380,244 CLAIMS	NOKIA LUMIA 820 TECHNICAL FEATURES
1. A subscriber unit comprising: a cellular transceiver configured to communicate with a cellular wireless network via a plurality of assigned physical channels;	<p>The Nokia Lumia 820 is an HSPA+ compliant subscriber unit with IEEE 802.11 wireless local area network communication capabilities. (Nokia Lumia 820 User Guide 20, 32; Nokia Lumia 820 Datasheet at 2-3.)</p> <p>As an HSPA+ capable device, the Nokia Lumia 820 supports communications over a WCDMA Release 6 cellular network. (Nokia Lumia 820 User Guide 20, 32; Nokia Lumia 820 Datasheet at 2-3.) The Nokia Lumia 820 includes a visual indicator showing when the subscriber unit is communicating with a cellular network. (Nokia Lumia 820 User Guide at 20.)</p> <p>WCDMA/UMTS Release 6 compliant subscriber units include a CDMA transmitter. (3GPP TS 25.101 § 6.) WCDMA/UMTS Release 6 compliant subscriber units include a CDMA receiver. (3GPP TS 25.101 § 7.) Together, these components form a CDMA transceiver.</p> <p>In WCDMA/UMTS Release 6, up to four Enhanced Dedicated Physical Data Channels (E-DPDCH) may be used to carry an Enhanced Dedicated Channel (E-DCH) between a subscriber unit and the cellular network. (3GPP TS 25.211 §§ 5.2.1.3, 6.1.) In addition, an uplink Enhanced Dedicated Physical Control Channel (E-DPCCH) is used to carry control information associated with each E-DPDCH. (3GPP TS 25.211 § 5.2.1.3; 3GPP TS 25.212 § 4.9.)</p> <p>Transmission of any E-DPDCH and the E-DPCCH is controlled such that either neither channel type is transmitted, the E-DPCCH is transmitted alone, or the E-DPCCH and one or more E-DPDCHs are transmitted simultaneously. (3GPP TS 25.211 § 5.2.1.3.)</p> <p>Each data traffic channel (E-DPDCH) and each control channel (E-DPCCH) are associated with a CDMA code. (3GPP TS 25.213 §§ 4.2.1.3, 4.3.1.2.3, and Table 1E.) More specifically, one, two, or four E-DPDCHs (E-DPDCH₁, E-DPDCH₂, E-DPDCH₃, and E-DPDCH₄), each of which is associated with a CDMA code, may be transmitted. (3GPP TS 25.211 § 5.2.1.3; 3GPP</p>

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	<p>TS 25.213 § 4.3.1.2.3, and Table 1E.)</p> <p>The number of bits transmitted on the E-DCH transport channel, <i>i.e.</i>, the Transport Block Size, is signaled to the cellular network using an E-TFECI (Enhanced – Transport Format Combination Indicator) parameter, carried on the E-DPCH control channel, in addition with other physical layer control information. (3GPP TS 25.309 § 6.3.1, 3GPP TS 25.321 §§ 11.8.1.4, and Annex B; 3GPP TS 25.302 § 5.1.) The number of E-DPDCH transmitted (<i>i.e.</i>, one, two, or four) is determined based on the Transport Block Size according to the procedures set forth in 3GPP TS 25.212 § 4.8.4.1.</p> <p>As a WCDMA/UMTS Release 6 compliant subscriber unit, the Nokia Lumia 820 thus includes a cellular transceiver configured to communicate with a cellular wireless network via a plurality of assigned physical channels.</p>
<p>an IEEE 802.11 transceiver configured to communicate with an IEEE 802.11 wireless local area network; and</p>	<p>The Nokia Lumia 820 supports communications over IEEE 802.11 wireless local area networks. (Nokia Lumia 820 User Guide 20, 32; Nokia Lumia 820 Datasheet at 2-3.) The Nokia Lumia 820 includes a visual indicator showing when the subscriber unit is in communication with an IEEE 802.11 wireless local area network, <i>e.g.</i>, an IEEE 802.11b or IEEE 802.11g wireless local area network. (Nokia Lumia 820 User Guide at 20.)</p> <p>Thus, supporting communications with IEEE 802.11 wireless local area networks, the Nokia Lumia 820 includes an IEEE 802.11 transceiver configured to communicate with an IEEE 802.11 wireless local area network.</p>
<p>a processor configured to maintain a communication session with the cellular wireless network in an absence of the plurality of assigned physical channels while the IEEE 802.11 transceiver communicates packet data with the IEEE 802.11 wireless local area network.</p>	<p>WCDMA/UMTS Release 6 compliant subscriber units are configured to establish packet data communication sessions with the cellular network. (3GPP TS 24.008 § 6.1.1; 3GPP TS 24.007 § 6.5.)</p> <p>Before a subscriber unit and a network can communicate user data, the subscriber unit must activate a PDP context. (3GPP TS 24.008 § 6.1.1; 3GPP TS 24.007 § 6.5.) PDP context is activated at and used by at least the Session Management Layer of the cellular layered protocol. (3GPP TS 24.008 § 6.1.1, and Figure 6.1; 3GPP TS 24.007 § 6.5.)</p>

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	<p>PDP context includes a number of session management parameters including, for example, Packet Data Protocol (PDP) type, PDP address type, and Quality of Service (QoS) parameters. (3GPP TS 24.008 §§ 6.1.3.1.1, 9.5.1, 9.5.2, 10.5.6.)</p> <p>When the radio link connection between the user device and the network has been released, one or more active PDP contexts are preserved. (3GPP TS 23.060 §§ 6.1.2.4, 6.12.1; 3GPP TS 34.123-1 §§ 12.9.12, 12.9.13.)</p> <p>The Nokia Lumia 820 supports communications over IEEE 802.11 wireless local area networks. (Nokia Lumia 820 User Guide 20, 32; Nokia Lumia 820 Datasheet at 2-3.)</p> <p>The Nokia Lumia 820 includes a visual indicator showing when the subscriber unit is in communication with an IEEE 802.11 wireless local area network, <i>e.g.</i>, an IEEE 802.11b or IEEE 802.11g wireless local area network. This communication can occur in the absence of any cellular communication. (Nokia Lumia 820 User Guide at 20.)</p> <p>The Nokia Lumia 820 subscriber unit can be configured to communicate using either its cellular or IEEE 802.11 transceiver. (Nokia Lumia 820 User Guide 20, 32; Nokia Lumia 820 Datasheet at 2-3.)</p> <p>Thus, the Nokia Lumia 820 includes a processor configured to maintain a communication session with the cellular wireless network in an absence of the plurality of assigned physical channels while the IEEE 802.11 transceiver communicates packet data with the IEEE 802.11 wireless local area network.</p>