

Ranking of ETSI patents

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| S.No | Patent/Publication No. | International Class (primary) | Assignee | Title | Publication Year | Priority Year(s) | Legal Status | Rank |
|------|---------------------------------|-------------------------------|-----------------------|---|------------------|---------------------------|---|------|
| 1 | US20090086710A1 | H04J000324 | Qualcomm Incorporated | Method and apparatus for implementing lte rlc header formats | 2009 | 2007 2008 | Docketed New Case - Ready for Examination | 3 |
| 2 | US6694469B1 | H04L000116 | Qualcomm Incorporated | Method and an apparatus for a quick retransmission of signals in a communication system | 2004 | 2000 | Patented Case | 4 |
| 3 | US7542482B2 | H04J000324 | Qualcomm Incorporated | Method and apparatus for message segmentation in a wireless communication system | 2009 | 2001 | Patented Case | 4 |
| 4 | US7876729B1 | H04W000400 | Qualcomm Incorporated | Intersystem base station handover | 2011 | 1998 1999 2000 | Patented Case | 4 |
| 5 | US7904053B2 | H04M001104 | Qualcomm Incorporated | Method and apparatus for communicating emergency information using wireless devices | 2011 | 2003 2003 2006 2009 | Patented Case | 4 |
| 6 | US20090268683A1 | H04W007204 | Qualcomm Incorporated | Partial radio link control status report | 2009 | 2008 2009 | Docketed New Case - Ready for Examination | 3 |
| 7 | US20110090866A1 | H04W003600 | ALCATEL-LUCENT | Method, user equipment and communication system for inter-rat handover in 3g lte | 2011 | 2008 2008 | Docketed New Case - Ready for Examination | 2 |
| 8 | EP2242322A1 | H04W008000 | ALCATEL-LUCENT | Method for the harq buffer operation | 2010 | 2008 2009 2009 | REQUEST FOR EXAMINATION FILED | 2 |
| 9 | EP2291019A1 | H04W001610 | ALCATEL-LUCENT | Method for harq process allocation of dl semi-persistent scheduling and corresponding system | 2011 | 2008 2008 | REQUEST FOR EXAMINATION FILED | 2 |
| 10 | US20110093756A1 | H04L000118 | ALCATEL-LUCENT | Method for dl semi-persistent scheduling harq process allocation and apparatus thereof | 2011 | 2008 2008 | Application Dispatched from Preexam, Not Yet Docketed | 2 |
| 11 | EP2248356A1 | H04W000400 | ALCATEL-LUCENT | Method, user equipment and communication system for inter-rat handover in 3g lte | 2010 | 2008 2008 | REQUEST FOR EXAMINATION FILED | 2 |
| 12 | EP2068505A1 | H04L001256 | ALCATEL-LUCENT | Method and device for reporting the uplink scheduling request and the emergency status in the wireless networks | 2009 | 2006 2007 2007 | REQUEST FOR EXAMINATION FILED | 3 |
| 13 | EP2180627A1 | H04L000108 | ALCATEL-LUCENT | A communication method and equipment for controlling the data transmission and retransmission of mobile station at the base station | 2010 | 2007 2007 | REQUEST FOR EXAMINATION FILED | 3 |
| 14 | US20110029834A1 | H04L000118 | ALCATEL-LUCENT | Method for operating harq buffer | 2011 | 2008 2009 2009 | Docketed New Case - Ready for Examination | 2 |
| 15 | EP1400140A1 | H04W000826 | Ericsson AB | Handling of temporary identities in mobile | 2004 | 2001 2002 | LAPSE BECAUSE OF | 5 |

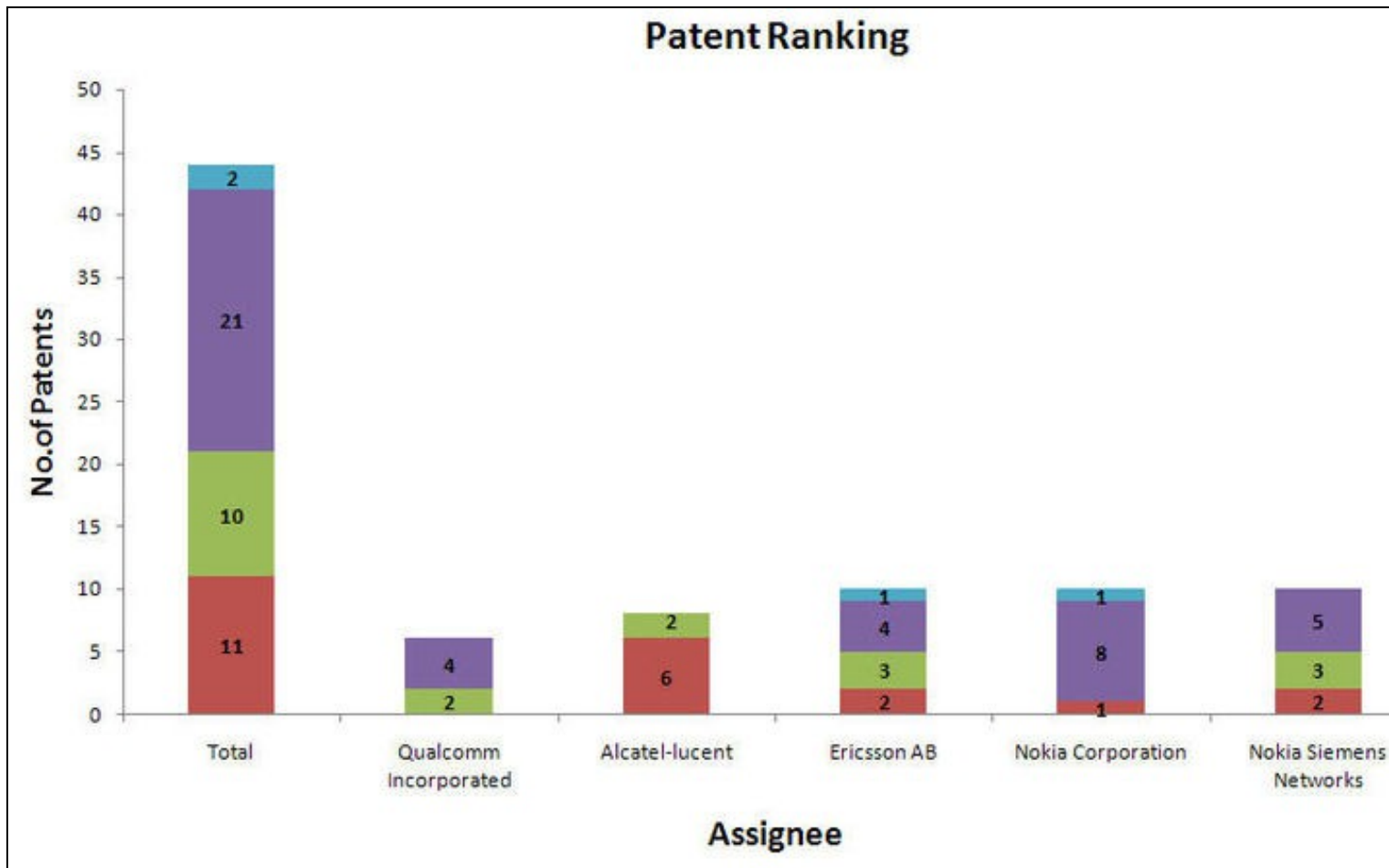
| | | | | | | | | |
|----|---------------------------------|-------------|-------------------|--|------|---------------------------|---|---|
| | | | | telephony systems | | 2002 | NON-PAYMENT OF DUE FEES | |
| 16 | EP1440599A1 | H04W000402 | Ericsson AB | Method for checking whether a mobile station supports a location service (lcs) in a packet switched mode | 2004 | 2001 2002 2002 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 17 | EP0904665A1 | H04L001246 | Ericsson AB | method and apparatus for addressing a wireless communication station with a dynamically-assigned address | 1999 | 1996 1997 1997 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 18 | EP1177655A1 | H04M001700 | Ericsson AB | Prepaid subscriber service for packet-switched and circuit-switched radio telecommunications networks | 2002 | 1999 2000 2000 | REQUEST FOR EXAMINATION FILED | 4 |
| 19 | EP1961141A2 | H04L000100 | Ericsson AB | efficient channel quality reporting and link adaptation for multi-carrier broadband wireless communication | 2008 | 2005 2006 2006 | REQUEST FOR EXAMINATION FILED | 2 |
| 20 | EP2198533A2 | H04B000704 | Ericsson AB | Method and arrangements for signaling control information in a communication system | 2010 | 2007 2008 2008 | REQUEST FOR EXAMINATION FILED | 3 |
| 21 | EP2220841A1 | H04L002906 | Ericsson AB | Method and system for correlating aaa sessions | 2010 | 2007 2008 2008 | REQUEST FOR EXAMINATION FILED | 3 |
| 22 | EP2248373A1 | H04W002818 | Ericsson AB | Methods and arrangements for a mobile communications network | 2010 | 2008 2008 2008 | REQUEST FOR EXAMINATION FILED | 2 |
| 23 | EP2263411A2 | H04W007212 | Ericsson AB | Prohibiting unnecessary scheduling requests for uplink grants | 2010 | 2008 2009 2009 | REQUEST FOR EXAMINATION FILED | 3 |
| 24 | EP2272269A1 | H04W000806 | Ericsson AB | Method for context handling | 2011 | 2008 2008 2008 | REQUEST FOR EXAMINATION FILED | 4 |
| 25 | US20100182939A1 | H04J000300 | NOKIA Corporation | Configuration of multi-periodicity semi-persistent scheduling for time division duplex operation in a packet-based wireless communication system | 2010 | 2008 2009 | Docketed New Case - Ready for Examination | 2 |
| 26 | US20090305711A1 | H04W007200 | NOKIA Corporation | Discontinuous transmission/reception in a communications system | 2009 | 2005 2005 2006 2006 | Final Rejection Mailed | 5 |
| 27 | US6879690B2 | H04L002906 | NOKIA Corporation | Method and system for delegation of security procedures to a visited domain | 2005 | 2001 2001 | Patented Case | 4 |
| 28 | US20050228893A1 | H04L002906 | NOKIA Corporation | Method of configuring a mobile node | 2005 | 2004 2004 2005 | Response to Non-Final Office Action Entered and Forwarded to Examiner | 4 |
| 29 | US20060195576A1 | G06F0015173 | NOKIA Corporation | Discontinuous transmission/reception in a communications system | 2006 | 2005 | Non Final Action Mailed | 4 |

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|----|---------------------------------|------------|------------------------|--|------|------------------------------|--|---|
| 30 | EP1719356A2 | H04W006400 | NOKIA Corporation | Method and apparatus for reporting location of a mobile terminal | 2006 | 2004 2004 2004 | REQUEST FOR EXAMINATION FILED | 4 |
| 31 | EP1608115A1 | G10L001914 | NOKIA Corporation | Speech transmission between terminals in different networks | 2005 | 1997 1998 1998 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 32 | EP0953231A2 | H04J000300 | NOKIA Corporation | Multiplexing method and transceiver | 1999 | 1997 1998 1998 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 33 | EP1121820A1 | H04W002818 | NOKIA Corporation | Data transmission resources optimization | 2001 | 1998 1999 1999 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 34 | EP1192832A1 | H04W003608 | NOKIA Corporation | A method of selecting a new cell | 2002 | 1999 2000 2000 | REQUEST FOR EXAMINATION FILED | 4 |
| 35 | US20080049697A1 | H04H000100 | Nokia Siemens Networks | Method and radio communication system for transmitting user information as a service to several user stations | 2008 | 2002 2003 2003 | Docketed New Case - Ready for Examination | 4 |
| 36 | EP2181559A1 | H04W003608 | Nokia Siemens Networks | handover of a user equipment with forwarding and reusing a user equipment configuration | 2010 | 2007 2008 2008 | REQUEST FOR EXAMINATION FILED | 2 |
| 37 | EP2213034A2 | H04L000118 | Nokia Siemens Networks | Improved ack/nack dtx detection and signalling of not receiving a downlink allocation grant message | 2010 | 2007 2008 2008 2008 | REQUEST FOR EXAMINATION FILED | 2 |
| 38 | EP2250856A1 | H04W008400 | Nokia Siemens Networks | Server identifier acquisition based on device location | 2010 | 2008 2008 | REQUEST FOR EXAMINATION FILED | 3 |
| 39 | EP1090527A1 | H04W004812 | Nokia Siemens Networks | Method for transmitting organizational information | 2001 | 1998 1999 1999 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 40 | EP1030530A2 | H04L001256 | Nokia Siemens Networks | Method for transmission of packet switched data in a radio communication system | 2000 | 1999 2000 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 41 | US20090268844A1 | H04L002700 | Nokia Siemens Networks | Method and apparatus to link modulating and coding scheme to amount of resources | 2009 | 2008 2008 2008 2009 | Docketed New Case - Ready for Examination | 3 |
| 42 | US7215962B2 | H04W003614 | Nokia Siemens Networks | Method for an intersystem connection handover | 2007 | 2000 2001 2002 | Patented Case | 4 |
| 43 | EP1238463A2 | H04L000100 | Nokia Siemens Networks | Method and system for transmitting data and for determining the transmission properties in a radio communications system | 2002 | 1999 2000 2000 | POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE | 4 |
| 44 | US20100080152A1 | H04L002902 | Nokia Siemens Networks | Method and apparatus for providing signaling of redundancy versions | 2010 | 2008 2009 | Non Final Action Mailed | 3 |

Disclaimer: Patent ranking has been done according to the following logic:

- **Rank-1:** Granted + LTE related (claims)
- **Rank-2:** Published + LTE related (claims)
- **Rank-3:** LTE related (Full spec)

- Rank-4: May be relevant and requires further analysis
- Rank-5: Abandoned or Expired



Note: Here a total of 44 patents from ETSI have been taken, out of which **Qualcomm Incorporated** has 6 patents, **Alcatel-lucent** has 8 patents, **Ericsson AB**, **Nokia corporation**, **Nokia Siemens Networks** have 10 each

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