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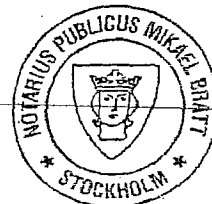
PATENT
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	Patent or Application No.	Country	Filing Dates	Title & Names of Inventors
1.	US20010047304	US	12/22/2000	Method and system for providing product ordering services in a telecommunication system, Rinne, Mika; (Espoo, FI)
2.	US20030003931A1	US	6/4/2002	Transmission of messages in telecommunication system, Silventoinen, Marko; (Järvenpää, FI) ; Kalliomäki, Seppo; (Vantaa, FI)
3.	US20030050047A1	US	9/12/2002	Changing a first subscriber identifier to a second identifier, Ala-Luukko, Sami; (Helsinki, FI)
4.	US20030054801	US	10/31/2002	Transmission of authorization information, Komu, Toni; (Oulu, FI) ; Pohjanen, Petri; (Oulu, FI) ; Kilpelä, Antti; (Oulu, FI)
5.	US20030064706A1	US	4/30/2002	Transmission of multimedia messages between mobile station terminals, Ala-Luukko, Sami; (Helsinki, FI) ; Koski, Jussi; (Helsinki, FI)
6.	US20030073425A1	US	9/12/2002	Billing in mobile communications system employing wireless application protocol, Immonen, Marko; (Oulu, FI) ; Juntunen, Ari; (Oulu, FI) ; Keinänen, Kimmo; (Oulu, FI) ; Huostila, Tero; (London, GB)
7.	US20030118010A1	US	11/14/2002	Network-requested activation of packet data protocol context, Ala-Luukko, Sami; (Helsinki, FI)
8.	US20030126078	US	11/5/2002	Method of implementing digital payments, Vihinen, Seppo; (Vantaa, FI)
9.	US20030147363A1	US	2/10/2003	Prepaid service in a packet-switched mobile communication network, Ala-Luukko, Sami; (Helsinki, FI)
10.	US20040002324A1	US	9/13/2002	Transaction-based service billing in a telecommunication system, Juntunen, Ari; (Oulu, FI) ; Keinänen, Kimmo; (Oulu, FI) ; Huostila, Tero; (London, GB)
11.	US20040005881A1	US	10/9/2002	System and method for blocking the use of a service in a telecommunication system, Ala-Luukko, Sami; (Helsinki, FI)
12.	US20040005901A1	US	7/29/2002	Method and system for routing of short messages in a telecommunication system, Ala-Luukko, Sami; (Helsinki, FI)
13.	US20040043776A1	US	8/21/2003	Method for redirecting contacts and setting up redirection, Tuomela, Frans; (Helsinki, FI) ; Vaananen, Kai; (Espoo, FI)
14.	US5479287A	US	12/28/1993	Switchable optical network with improved transmission ability, Johansen, Lars (Stockholm, SE); Claesson, Jonas (Bandhagen, SE)

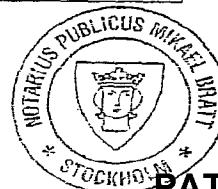
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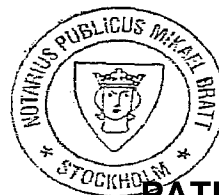
	Patent or Application No.	Country	Filing Dates	Title & Names of Inventors
15.	US5546500	US	5/5/1994	Arrangement for increasing the comprehension of speech when translating speech from a first language to a second language, Lyberg; Bertil (Vagnharad, SE)
16.	US5559623	US	5/16/1994	Method and arrangement for arranging an interception-proof optical link, Einarsson; Goran (Nacka, SE)
17.	US5561839	US	8/22/1994	Method and arrangement in mobile telecommunications networks to provide for improved cell planning, Osterberg; Anette (Stockholm, SE); Rosenlund; Henrik (Farsta, SE); Arinell; Fredrik (Stockholm, SE)
18.	US5564079	US	5/31/1994	Method for locating mobile stations in a digital telephone network, Olsson; Bo (Haninge, SE)
19.	US5583917	US	11/16/1994	Method and arrangement for semipermanent storage of a service profile in personal communication systems, Jonsson; Ulf (Svedala, SE)
20.	US5594777	US	5/17/1995	Wireless private branch exchange system for use with mobile communication devices, Makkonen; Matti (Helsinki, FI); Pokka; Tapani (Helsinki, FI); Lehto; Markku (Helsinki, FI)
21.	US5632014	US	8/3/1995	Method and arrangement for testing services in a telecommunications system, Ek; Anders (Malmö, SE); M.ang.nsson; Lennart (Hjarup, SE)
22.	US5633485	US	3/22/1996	Arrangement with a card for value transactions, Endersz; György (Bergtorpstigen, SE)
23.	US5638078	US	11/1/1994	Arrangement for providing communication and positioning in a guidance installation, Vichet; Erik (Malmö, SE)
24.	US5652772	US	1/22/1996	Method and apparatus for synchronization in digital transmission systems of the OFDM type, Isaksson; Mikael (Luleå, SE); Engstrom; Bo (Luleå, SE)
25.	US5654969	US	8/11/1995	Arrangement in a communications network, Wilhelmsson; Lennart (Haninge, SE)
26.	US 08/250,685	US	5/27/1994	Process for evaluating speech quality in speech synthesis, Lyberg; Bertil (Vagnharad, SE)
	US5664050	US	3/21/1996	Process for evaluating speech quality in speech synthesis, Lyberg; Bertil (Vagnharad, SE)
27.	US5677992	US	10/27/1994	Method and arrangement in automatic extraction of prosodic information, Lyberg; Bertil (Vagnharad, SE)
28.	US5680388	US	5/12/1995	Method and arrangement for dynamic allocation of multiple carrier-wave channels for multiple access by frequency division of multiplexing, Kanghre; Ragnar (Tallgatan, SE)
29.	US5694520	US	1/11/1996	Method and device for speech recognition, Lyberg; Bertil (Vagnharad, SE)
30.	US5699178	US	1/23/1996	Procedure and device for distribution and reception of wavelength reference in optical multichannel network, Ostlund; Leif (Enskede, SE)
31.	US5726973	US	8/22/1996	Method and arrangement for synchronization in OFDM modulation, Isaksson; Mikael (Luleå, SE)
32.	US 08/345,750	US	11/22/1994	Speech Synthesis Arrangement and Method, Svensson; Tomas (Stockholm, SE)
	US5729657	US	4/16/1997	Time compression/expansion of phonemes based on the information carrying elements of the phonemes, Svensson; Tomas (Stockholm, SE)



	Patent or Application No.	Country	Filing Dates	Title & Names of Inventors
33.	US5752227	US	5/1/1995	Method and arrangement for speech to text conversion, Lyberg; Bertil (Vagnharad, SE)
34.	US5758286	US	2/26/1996	Method for accomplishing a mobile telecommunications connection using abbreviated dialing, Leppanen; Osmo (Lahti, FI)
35.	US5761194	US	9/20/1995	Arrangement in a mobile communications system for extending the range between one or more mobile units and a base station, Bahlenberg; Gunnar (Lulea, SE)
36.	US5764735	US	6/17/1996	Device for multimedia communication, Thorne; Jan (Vasby, SE)
37.	US5784363	US	4/1/1996	Arrangement in a multi-user system, Engstrom; Bo (Lulea, SE); Larsson; Roger (Lulea, SE)
38.	US5806028	US	2/14/1996	Method and device for rating of speech quality by calculating time delays from onset of vowel sounds, Lyberg; Bertil (Vagnharad, SE)
39.	US5806033	US	6/17/1996	Syllable duration and pitch variation to determine accents and stresses for speech recognition, Lyberg; Bertil (Vagnharad, SE)
40.	US5809469	US	10/27/1995	Method and device to input characters, Goldstein; Mikael (Stockholm, SE); Lockner; Mikael (Danderyd, SE)
41.	US5812523	US	3/30/1995	Method and device for synchronization at OFDM-system, Isaksson; Mikael (Lulea, SE); Engstrom; Bo (Lulea, SE)
42.	US5812948	US	8/22/1996	Arrangement in a telecommunications system having automatic universal personal telecommunication services registration features, Hjem; Magnus (Smygeharn, SE); Olanders; Peter (Lomma, SE)
43.	US5826234	US	12/5/1996	Device and method for dubbing an audio-visual presentation which generates synthesized speech and corresponding facial movements, Lyberg; Bertil (Vagnharad, SE)
44.	US5852776	US	3/25/1996	Telecommunications system with person/subscriber-associated identification, Ohlsson; Bo (Haninge, SE)
45.	US5873033	US	2/6/1996	Method and arrangement for transfer between a cordless telecommunication system and a cellular mobile telecommunication system, Hjem; Magnus (Smygeharn, SE); Olanders; Peter (Lomma, SE)
46.	US5892763	US	3/24/1997	Arrangement for supplying local network emulation service over public connectionless ATM-network, Larequi; Kim (Stockholm, SE); Nazari; Ala (Haninge, SE)
47.	US5898918	US	10/15/1996	Method for classifying calls for a mobile subscription, Leppanen; Osmo (Lahti, FI)
48.	US5909436	US	8/28/1996	Random access orthogonal frequency division multiplex system and method, Engstrom; Bo (Lulea, SE); Larsson; Roger (Lulea, SE); Wahlqvist; Mattias (Lulea, SE); Ostberg; Christer (Lulea, SE)
49.	US5909650	US	4/10/1996	Telecommunications system and method enabling use of a general personal number in fixed and mobile networks and cordless access systems, Jonsson; Ulf (Svedala, SE)
50.	US5910943	US	4/1/1997	Method and device in radio based telecommunication system using repeaters, Wickman; Johan (Bjarrad, SE)
51.	US5930240	US	1/29/1997	Radio frequency communication system with a repeater that operates with a time division multiple access protocol, Wickman; Johan (Bjarrad, SE)
52.	US5943323	US	11/22/1996	Arrangement for repeaters in a radio-based communications system, Olanders; Peter (Lomma, SE); Wickman; Johan (Bjarrad, SE)



	Patent or Application No.	Country	Filing Dates	Title & Names of inventors
53.	US 08/354,638	US	12/31/1994	Arrangement in a mobile short-range communication system, Lengdell; Magnus (Alvsjo, SE); Laraqui; Kim (Stockholm, SE)
	US5953672	US	7/28/1997	Arrangement in a mobile short-range communication system, Lengdell; Magnus (Alvsjo, SE); Laraqui; Kim (Stockholm, SE)
54.	US5956653	US	5/12/1997	Method for calling by a terminal, like a card controlled mobile station, of a mobile communication system, Lahti; Aapo (Helsinki, FI)
55.	US 60/024,039-provisional	US	8/15/1996	
	US5960392	US	8/15/1997	Method and arrangement for adaptation of data models, Sundberg; Erk (Stockholm, SE); Melin; Hakan (Ekero, SE)
56.	US5974313	US	5/18/1998	System and method for defining an urgency class of a disorder appearing in a communication system station, Viljanen; Vesa (Helsinki, FI); Pulkkinen; Raimo (Oulu, FI)
57.	US5983104	US	4/3/1997	Mobile communications system with mobile unit speed identification features, Wickman; Johan (Bjarred, SE); Olanders; Peter (Lomma, SE)
58.	US 08/246,500	US	5/20/1994	Arrangement with a short-range radio system, Jonsson; Ulf (Svedala, SE)
	US5995842	US	12/29/1995	Arrangement with a short-range radio system, Jonsson; Ulf (Svedala, SE)
59.	US6028856	US	3/25/1997	Procedure and system for processing data traffic signals carrying information, Suominen; Anti-Jussi (Helsinki, FI)
60.	US6038221	US	4/1/1997	Device at telecommunications systems using a pattern of time slots, Wickman; Johan (Bjarred, SE); Olanders; Peter (Lomma, SE)
61.	US 08/381,878	US	2/17/1995	Method for testing handover in mobile telephone networks, Sanden; Magnus (Solientuna, SE)
	US6047185	US	5/19/1997	Method for testing handover in mobile telephone networks, Sanden; Magnus (Solientuna, SE)
62.	US6055303	US	9/3/1997	Telecommunications services, Boman; Rune (Haninge, SE)
63.	US6064680	US	1/20/1998	Attenuation-free optical connection, Kallgren; Dan (Stockholm, SE)
64.	US 08/527,922	US	9/14/1995	Device at communication network, Hallqvist; Per (Upplands Vasby, SE)
	US6081703	US	10/23/1997	Communication system including debiting provisions for communicating with a subsystem that charges a fee, Hallqvist; Per (Upplands Vasby, SE)
65.	US6084871	US	8/20/1997	Method for synchronization of transmitter and receiver at mobile radio system, Engstrom; Bo (Lulea, SE); Isaksson; Mikael (Lulea, SE); Larsson; Roger (Lulea, SE); Olofsson; Sven-Rune (Lulea, SE); Unneback; Michael (Lulea, SE); Oqvist; Goran (Lulea, SE)
66.	US6088398	US	6/17/1997	Orthogonal frequency division multiplex systems, Wahlqvist; Mattias (Lulea, SE); Larsson; Roger (Lulea, SE); Ostberg; Christer (Lulea, SE)



	Patent or Application No.	Country	Filing Dates	Title & Names of Inventors
67.	US6104725	US	4/1/1997	Telecommunication system including a local area network (LAN), an asynchronous transmission mode (ATM) network, and a broadband data service (BDS) network in which a protocol data unit is not reconfigured in the (BDS) network, Kavak; Nail (Varby, SE);
68.	US6112178	US	3/5/1999	Method for synthesizing voiceless consonants, Kaja; Jaan (Tyreso, SE)
69.	US6134239	US	4/23/1998	Method for rejecting calls at an overloaded node buffer, Heinanen; Juha (Tampere, FI); Kikk; Kalevi (Helsinki, FI)
70.	US6188873	US	6/9/1999	Broadband radio access method, device and system, Wickman; Johan (Bjarrad, SE); Bengtsson; Roger (Limhamn, SE)
71.	US6239388	US	4/7/1999	Device for reducing the time for measuring on a cable, Karlstrom; Bo (Norrkoping, SE); Ljung; Per (Hultsfred, SE); Pettersson; Frank (Kolmarden, SE); Eklund; Thomas (Soderkoping, SE); Hallberg; Hakan (Vimmerby, SE); Andersson; Tommy (Simrishamn, SE)
72.	US 09/326,239	US	6/4/1999	
	US6285791	US	12/9/1997	Transmission method for video or moving pictures by compressing block differences, Bjorklund; Dan (Kaskinen, FI)
73.	US6301348	US	9/1/1998	Method and system for changing a direction of establishing a telecommunication connection, Romo; Jorma (Helsinki, FI); Ikonen; Jouni (Helsinki, FI)
74.	US6385580	US	11/18/1999	Method of speech synthesis, Lyberg; Bertil (Vagnharad, SE); Wiren; Mats (Stockholm, SE)
75.	US6389396	US	11/29/1999	Device and method for prosody generation at visual synthesis, Lyberg; Bertil (Vagnharad, SE)
76.	US6418206	US	2/9/1999	Procedure and system for the setting up of calls, Leppanen; Osmo (Lahti, FI)
77.	US6456616	US	8/11/1998	System and method transmitting data, Rantanen; Kari (Masala, FI)
78.	US 07/961,706	US	1/11/1993	Arrangement for acquisition of services via a telephone set, Anvret; Lena (Upplands Vasby, SE); Mersich; Laszlo (Madrid, ES)
	US6466657	US	10/27/1994	Arrangement for acquisition of services via a telephone set, Anvret; Lena (Upplands Vasby, SE); Mersich; Laszlo (Madrid, ES)
79.	US6498788	US	2/12/1999	Method and a radio terminal for interaction with a service provider, Emilsson; Stellan (Karlstad, SE); Schmitt; Mikael (Karlstad, SE)
80.	US6516190	US	12/17/1999	Method and apparatus for calculating call charge rates in a mobile telecommunication system, Linkola; Janne (Helsinki, FI)
81.	US6600926	US	9/15/2000	Channel simulator for mobile systems, Widell; Svante (Nynashamn, SE); Winroth; Mats Olof (Poring, DE)
82.	US6606481	US	2/29/2000	System at telecommunications network, Tegler; Susanne (Lund, SE); Wickman; Johan (Bjarrad, SE); Bengtsson; Roger (Malmo, SE)
83.	US6628951	US	6/20/2000	Procedure and system for the transmission of information and establishment of a telecommunication connection, Grohn; Tuomo (Helsinki, FI); Pera; Olli (Oulu, FI); Ala-Luukko; Sami (Helsinki, FI); Sarkki; Mika (Vantaa, FI)



	Patent or Application No.	Country	Filing Dates	Title & Names of Inventors
84.	US6636742	US	6/22/2000	Tracking of mobile terminal equipment in a mobile communications system, Torkki; Markus (Helsinki, FI); Grohn; Tuomo (Helsinki, FI)
85.	US6647256	US	4/27/2000	Methods and system for remote access to and payment for products delivered from automated apparatus, Stewen; Teemu (Helsinki, FI); Viininen; Seppo (Helsinki, FI)
86.	US6668171	US	9/6/2000	Procedure and system for position management in a mobile telephone system, Ayoub; Souhad (Huddinge, SE); Andersin; Michael (Stockholm, SE)
87.	US6671513	US	1/12/2001	Procedure in a mobile telephone system to transmit position specifications, Frank; Robert (Stockholm, SE); Winroth; Mats Olof (Pöing, DE)
88.	US6678736	US	8/29/2000	Resource optimization function in a data and telecommunications system, Malmkvist; Jonas (Trångsund, SE); Sandell; Stefan (Härnösand, SE)
89.	US6687731	US	2/7/2000	Arrangement for load sharing in computer networks, Kavak; Nail (Varby, SE)

The text below applies with the limitations set out in the agreement.

Assignor represents, warrants and covenants that: (i) it is the sole owner, assignee and holder of record title to the Patent Rights identified above, (ii) it has obtained and properly recorded previously executed assignments for all patent applications and patents identified above as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in the United States, and (iii) it has full power and authority to make the present assignment. Assignor shall indemnify and hold harmless Assignee for any breach of the foregoing.

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Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefor, do all things necessary, proper, or advisable, including without limitation the execution, acknowledgment and recordation of specific assignments, oaths, declarations and other documents in the United States. Such assistance shall include providing, and obtaining from the respective inventors, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights.

The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.



IN WITNESS WHEREOF this Assignment of Patent Rights is executed at TeliaSonera AB
on 22/4 - 2005

ASSIGNOR

TeliaSonera AB

By: Terje Christoffersen

Name: Terje Christoffersen

Title: Group Vice President

TeliaSonera Finland Oy

By: Terje Christoffersen

Name: Terje Christoffersen

Title: Group Vice President

(Signature MUST be notarized)

This is to certify that

Mr Terje Christoffersen ---
has personally signed his name twice above.

Stockholm, April 28, 2005

Ex officio:

Notary Public

