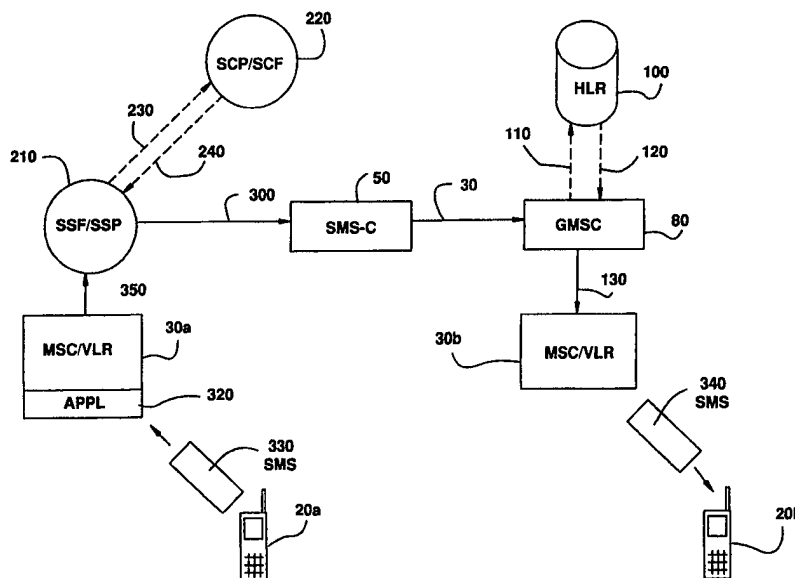




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<p>(21) International Application Number: PCT/SE97/02081 (22) International Filing Date: 12 December 1997 (12.12.97) (30) Priority Data: 08/771,711 20 December 1996 (20.12.96) US (71) Applicant: TELEFONAKTIEBOLAGET LM ERICSSON (publ) [SE/SE]; S-126 25 Stockholm (SE). (72) Inventors: OLSSON, Johan, Kristofer; c/o Bengtsson, Rorstrandsgatan 29, S-113 40 Stockholm (SE). KARLSSON, Patrik, Torgny; Beckombergavagen 13, 4409, S-168 54 Bromma (SE). LAIHO, Keijo, Tapio; FIN-02762 Espoo (FI). (74) Agent: TELEFONAKTIEBOLAGET LM ERICSSON (publ); Patent & Trademark Dept., S-126 25 Stockholm (SE).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 8 October 1998 (08.10.98)</p>	

(54) Title: TRANSPORTING SHORT MESSAGE SERVICE (SMS) MESSAGES WITHIN A TELECOMMUNICATIONS NETWORK



(57) Abstract

A Short Message Service (SMS) communication network is interfaced with an Intelligent Network. In response to an indication from a mobile subscriber (20a) to transmit unstructured data towards a particular B-number, a serving mobile switching center / visitor location register (MSC/VLR) (30a) determines whether the calling party subscriber or called party subscriber is associated with an IN service. In response to an affirmative determination, instead of transmitting the received unstructured data directly to a Short Message Service - Center (SMS-C) (50), the serving MSC/VLR (30a) routes an Integrated Service Digital Network User Part (ISUP) signal encapsulating the unstructured data to the associated Intelligent Network. An associated Service Switching Point (SSP) (210) and Service Control Point (SCP) (220) then provide the desired IN service to the received unstructured data.

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INTERNATIONAL SEARCH REPORT

i. national Application No
PCT/SE 97/02081

A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 717 570 A (SIEMENS AG) 19 June 1996 see column 1, line 40 - column 2, line 14 see column 2, line 42 - line 52 see column 3, line 6 - column 4, line 45 ---	1,8,12, 17
A	WO 96 13949 A (NOKIA TELECOMMUNICATIONS OY ;HUOTARI SEPPA (FI); TURKULAINEN VELI) 9 May 1996 see page 4, line 10 - line 29 see page 9, line 3 - line 16 see page 9, line 29 - line 33 see page 10, line 11 - line 35 see page 12, line 33 - page 13, line 4 see page 13, line 29 - line 34 see page 14, line 10 - page 17, line 20 --- -/--	1,8,12, 17

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