

Title (en)

PROTOCOL FOR BILLING TELECOMMUNICATION SERVICES BETWEEN NETWORK OPERATORS

Title (de)

PROTOKOLL ZUR ABRECHNUNG VON TELEKOMMUNIKATIONSDIENSTLEISTUNGEN ZWISCHEN NETZBETREIBERN

Title (fr)

PROTOCOLE POUR LE RÈGLEMENT DE SERVICES DE TÉLÉCOMMUNICATIONS ENTRE OPÉRATEURS DE RÉSEAU

Publication

**EP 2845345 A1 20150311 (DE)**

Application

**EP 13718120 A 20130415**

Priority

- DE 102012008517 A 20120502
- EP 2013001097 W 20130415

Abstract (en)

[origin: WO2013164065A1] The invention relates to the billing of telecommunication services between operators of different telecommunication networks, particularly when a mobile telecommunication transmission device requests a telecommunication service from a mobile communication network that is not its home telecommunication network - for example when there is a lack of availability or network coverage from the home telecommunication network or if the telecommunication transmission device is abroad (in relation to its home telecommunication network). In this case, service usage information (100) is produced by the telecommunication network (19) and provided to be forwarded on to the home telecommunication network (30) of the telecommunication transmission device, particularly for the purpose of billing. So-called TAP (Transferred Account Procedure) data are used here which, alongside a portion relating to service usage information, also comprise charging information. In particular, this charging information comprises information relating to the type of requested telecommunication service (for example, whether it concerns an international or a national call), and also information as to how high the costs are for the telecommunication service or with which discounts or volume agreements calculations are to be made. The problem addressed by the invention is that of suggesting a method for generating service usage data which allows said service usage data to be produced more simply, straightforwardly and quickly, and the processing thereof to take place more effectively. This problem is solved in that said service usage data are generated in such a manner that an entry is generated for each so-called request-event, and the type of telecommunication service, so for example whether it concerns an international or a national call, is associated with each entry.

IPC 8 full level

**H04L 12/14** (2006.01); **H04M 15/00** (2006.01); **H04W 4/24** (2009.01)

CPC (source: EP US)

**H04L 12/1446** (2013.01 - EP US); **H04M 15/61** (2013.01 - US); **H04W 4/24** (2013.01 - US); **H04M 15/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2013164065A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102012008517 A1 20131107**; CN 104685828 A 20150603; CN 104685828 B 20190322; EP 2845345 A1 20150311; IN 9273DEN2014 A 20150710; US 2015087261 A1 20150326; US 9762745 B2 20170912; WO 2013164065 A1 20131107

DOCDB simple family (application)

**DE 102012008517 A 20120502**; CN 201380035451 A 20130415; EP 13718120 A 20130415; EP 2013001097 W 20130415; IN 9273DEN2014 A 20141105; US 201314398492 A 20130415