

Title (en)  
SUBSCRIBER MULTIPLEXING DEVICE

Title (de)  
TEILNEHMERMULTIPLEXVORRICHTUNG

Title (fr)  
DISPOSITIF DE MULTIPLEXAGE D'ABONNES

Publication  
**EP 1042940 A1 20001011 (EN)**

Application  
**EP 98955605 A 19981117**

Priority  
• FI 9800899 W 19981117  
• FI 974273 A 19971118

Abstract (en)  
[origin: WO9929138A1] A subscriber multiplexing device comprising a time-division user data bus (33) and a message-based signalling channel (34) between subscriber interface units (32) and a multiplexing unit (31), the signalling channel being common to all the subscriber interface units. A "message based" signalling channel means that signalling is transferred in discrete protocol data units (PDU), or messages, comprising at least a destination address and the actual signalling data. Each unit connected to the signalling channel receives the message and compares the destination address of the message to its own address. When the addresses match, the unit concerned identifies the message as being addressed to it. If there is no match, the unit rejects the message. Each unit sends a signalling message only when needed, on event basis, in response to an internal change in state or to a message received from another unit, for example. In other words, information about changes is only signalled further through the signalling channel (34).

IPC 1-7  
**H04Q 11/06**; **H04J 3/12**

IPC 8 full level  
**H04J 3/12** (2006.01); **H04Q 11/06** (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP)  
**H04J 3/12** (2013.01); **H04Q 11/06** (2013.01); **H04L 69/324** (2013.01); **H04Q 2213/13003** (2013.01); **H04Q 2213/13031** (2013.01); **H04Q 2213/13034** (2013.01); **H04Q 2213/1309** (2013.01); **H04Q 2213/13096** (2013.01); **H04Q 2213/13176** (2013.01); **H04Q 2213/13204** (2013.01); **H04Q 2213/13292** (2013.01); **H04Q 2213/13299** (2013.01); **H04Q 2213/1332** (2013.01)

Citation (search report)  
See references of WO 9929138A1

Designated contracting state (EPC)  
BE DE FR GB IT

DOCDB simple family (publication)  
**WO 9929138 A1 19990610**; AU 1237799 A 19990616; EP 1042940 A1 20001011; FI 109074 B 20020515; FI 974273 A0 19971118; FI 974273 A 19990519

DOCDB simple family (application)  
**FI 9800899 W 19981117**; AU 1237799 A 19981117; EP 98955605 A 19981117; FI 974273 A 19971118