Title (en)
  COMMUNICATION NETWORK

Title (de)
  KOMMUNIKATIONSNETZWERK

Title (fr)
  RÉSEAU DE COMMUNICATION

Publication
  EP 2338243 A2 20110629 (EN)

Application
  EP 09814172 A 20090918

Priority
  • IB 2009054096 W 20090918
  • ZA 200808043 A 20080918

Abstract (en)
  [origin: WO2010032214A2] A communications network is disclosed comprising a dynamic-impedance monitor- dynamic analysis network node 9 having multiple data ports (11, 18, 27), through which data is transmitted through the network. The impedances of external wire pairs 10.1, 10.2, 10.3 are monitored and respective termination impedances dynamically varied to minimize detected distortion. Signal flatness and reflected signal decay at the end of a data packet are used by a microprocessor as indicative of impedance matching or mismatching. The network further comprises "best route logic" for routing data through the node (9) to other data ports. If the network includes sufficient redundant links these are connected by the "best route logic" to form a second network over which status data can be transmitted.

IPC 8 full level
  H04J 3/14 (2006.01); **H04L 12/24** (2006.01)

CPC (source: EP)
  G06F 11/2007 (2013.01); **H04L 1/22** (2013.01); H04L 45/12 (2013.01)

Designated contracting state (EPC)
  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 SE SI SK SM TR

Designated extension state (EPC)
  AL BA RS

DOCDB simple family (publication)
  WO 2010032214 A2 20100325; **WO 2010032214 A3 20110127**; EP 2338243 A2 20110629; EP 2338243 A4 20150826

DOCDB simple family (application)
  IB 2009054096 W 20090918; EP 09814172 A 20090918