Title (en)
    DATA NETWORK INTERFACE.

Title (de)
    DATENNETZSCHNITTSTELLE.

Title (fr)
    INTERFACE POUR UN RESEAU DE DONNEES.

Publication
    EP 0137804 A4 19871012 (EN)

Application
    EP 84900784 A 19840117

Priority
    US 46438383 A 19830207

Abstract (en)
    [origin: WO8403192A1] A method and apparatus for flexibly interconnecting the nodes (9, 10, n) of a local data network to achieve reliable internodal data transmission while minimizing the extra data processing load on the host processors of each node. An interface processor (100) is provided at each node which controls transmission and reception of data packets and the communication of data from and to the location in node storage associated with the program processes which generate and receive the data. Different protocols are provided for different types of messages and are controlled by the interface processor in order to provide high reliability data transmission where needed. Destination addresses are associated with each data packet to provide flexible routing of data.

IPC 1-7
    H04Q 11/04; H04Q 9/00

IPC 8 full level
    G06F 13/12 (2006.01); **H04L 12/413** (2006.01); **H04L 49/901** (2022.01)

CPC (source: EP)
    G06F 13/128 (2013.01); **H04L 12/413** (2013.01); **H04L 49/90** (2013.01); **H04L 49/901** (2013.01); **H04L 49/9057** (2013.01); **H04L 69/00** (2013.01); H04L 69/18 (2013.01); H04L 2012/40215 (2013.01)

Citation (search report)
- [Y] EP 0064347 A1 19821110 - PITNEY BOWES INC [US]
- [Y] EP 0076408 A2 19830413 - HUGHES AIRCRAFT CO [US]
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 23, no. 5, October 1980, pages 1811,1812, New York, US; J.G. SAMS: "Node processor for distributed system control"
- [Y] ELECTRONICS AND COMMUNICATIONS IN JAPAN, vol. 59-A, no. 7, July 1976, pages 18-26, New York, US; Y. YAMASAKI et al.: "Analysis of multi-ACK control methods in packet-switching computer networks"

Designated contracting state (EPC)
    DE FR GB

DOCDB simple family (publication)
    WO 8403192 A1 19840816; CA 1223326 A 19870623; EP 0137804 A1 19850424; EP 0137804 A4 19871012

DOCDB simple family (application)
    US 8400054 W 19840117; CA 446317 A 19840130; EP 84900784 A 19840117