Title (en)

CHARACTERISTIC ROUTING

Title (de)

CHARAKTERISTISCHE WEGELENKUNG

Title (fr)

ROUTAGE DE CARACTERISTIQUES

Publication

**EP 1236312 A2 20020904 (EN)**

Application

**EP 00982275 A 20001130**

Priority

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- US 16842699 P 19991130
- US 21366600 P 20000623
- US 72838000 A 20001128

Abstract (en)

[origin: WO0141380A2] A routing protocol, called characteristic routing, which allows data to be transported multi-hop through an internetwork from a sender to a set of receiver nodes using a description of the receiver nodes in the form of multiple arbitrary identifying descriptive names (called characteristics). Host nodes can have multiple dynamic characteristics. Characteristic routing is optimized to make the multiple-name case operate in a fast manner. In particular, characteristic routing creates an efficient routing table index using bit vectors and compression techniques. Using characteristic routing, the sender can choose whether the receiver nodes need to exactly match the characteristic routing address or certain characteristics in the routing address, or whether the receiver nodes can be simply "similar" to the characteristic routing address, or whether the receiver nodes have desired ranges of characteristics.

IPC 1-7

**H04L 12/56**

CPC (source: EP)

**H04L 45/02** (2013.01); **H04L 45/04** (2013.01); **H04L 45/26** (2013.01); **H04L 61/00** (2013.01); **H04L 61/30** (2013.01); **H04L 61/35** (2013.01); H04L 2101/365 (2022.05)

Citation (search report)

See references of WO 0141380A2

Citation (examination)

WO 9906913 A1 19990211 - ARROWPOINT COMMUNICATIONS INC [US], et al

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**WO 0141380 A2 20010607**; **WO 0141380 A3 20011227**; AU 1933001 A 20010612; AU 772747 B2 20040506; CA 2395347 A1 20010607; EP 1236312 A2 20020904; JP 2003516035 A 20030507

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