Title (en)

A METHOD AND APPARATUS FOR TRANSFERRING DATA PACKETS IN IP ROUTERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM TRANSFERIEREN VON DATENPAKETEN IN IP-ROUTERN

Title (fr)

PROCEDE ET APPAREIL DE TRANSFERT DE PAQUETS DE DONNEES DANS DES ROUTEURS IP

Publication

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Application

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Priority

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• SE 0103495 A 20011019
• SE 0201346 A 20020503

Abstract (en)

[origin: WO03034670A1] A method and apparatus for transferring data packets over a router (100) comprising interface units (106) and a switchingunit (108). It is determined whether a received data packetbelongs to an existing session context by comparing extractedheader information with any session contexts stored in the router. In that case, a header translation is applied for thepacket according to the existing session context duringtransfer through the router from an ingress unit to an egress unit. Otherwise, a new session context is createdincluding selecting a header translation scheme to be used for further packets of the new session. The new session context is stored in the router together with a context IDassigned to the new session context. In this way, processingwork and delays are reduced in the router when transferring data packets, thereby enabling a high data throughput.

IPC 1-7

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IPC 8 full level

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