Title (en)
  SECURING MULTICAST DATA

Title (de)
  SCHUTZ VON MULTICAST-DATEN

Title (fr)
  SÉCURISATION DE DONNÉES MULTIDIFFUSÉES

Publication
  EP 2127204 A2 20091202 (EN)

Application
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  • US 2007086343 W 20071204
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Abstract (en)
  [origin: WO2008118227A2] Systems and methods for securing multicast data are described. Data of a multicast, is protected through the use of at least double encryption keys, such as a community-of-interest key and session key. Data of a multicast is also split into portions of multicast in accordance with the session key, and transmitted over a choice of different pathways to one or more endpoints. The community-of-interest key is a prerequisite to joining or requesting deliver of a particular multicast. The community-of-interest key initializes, and exchanges a session key. All endpoints in a particular multicast community-of-interest group share the same session keys values. Endpoints that join a group (tune- in) must be notified of the session keys that are being used by the group at that particular time. A "Join" request is usually sent to an Ethernet address group. That address, is mapped to a community-of-interest of N IP addresses corresponding to each VLAN associated with the community-of-interest (the group) for the multicast.

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