

Title (en)
METHOD AND SYSTEM FOR DISTRIBUTED DNS RESOLUTION

Title (de)
VERFAHREN UND SYSTEM FÜR VERTEILTE DNS-AUFLÖSUNG

Title (fr)
PROCÉDÉ ET SYSTÈME DE RÉOLUTION DNS DISTRIBUÉE

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EP 1797696 A1 20070620 (FR)

Application
EP 05798592 A 20050825

Priority
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Abstract (en)
[origin: WO2006037865A1] The invention concerns distributed DNS resolution of a DNS request comprising an FQDN domain name between terminal (T) and relevant parent server (SPP). The method consists in transmitting (A) a DNS request (r_DNS) to an extended intermediate relay server (SRE), and, in the absence of stored previous DNS resolution solution, inserting (B) in the request (r_DNS) a DNS resolution extension variable (VE) to generate an extended DNS request (er_DNS), transmitting (C) the extended request (er_DNS) to the server (SPP). Upon verification of the variable (VE), searching (D) for a distributed DNS resolution agent (A_R_D), transmitting (E) an extended DNS reply EA DNS (A_R_D), containing the agent (A_R_D) to the server (SRE), executing (F) the agent (A_R_D) to generate a DNS reply (A_DNS@IP) comprising at least the (FQDN) IP address and transmitting (G) the reply A DNS(?IP) to the terminal (T). The invention is applicable to DNS resolution on IP local area network or on the Internet.

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