Title (en)
  GLOBALLY TIME-SYNCHRONIZED SYSTEMS, DEVICES AND METHODS

Title (de)
  GLOBALE ZEITSYNCHRONISIERTE SYSTEME, GERÄTE UND VERFAHREN

Title (fr)
  SYSTEMES GLOBALEMENT SYNCHRONISES DANS LE TEMPS

Publication
  **EP 1208412 A2 20020529 (EN)**

Application
  **EP 00915913 A 20000228**

Priority
  • US 0005093 W 20000228
  • US 25857399 A 19990226
  • US 51360100 A 20000225

Abstract (en)
  [origin: WO0050974A2] An improved system and method of fairly and securely enabling time-constrained competitions over the Internet among millions of competitors while compensating for the variable network communication latencies experienced by client machines used by the competitors. The system employs globally time-synchronized Internet information servers and client machines in order to synchronize the initial display of each invitation to respond (e.g. stock price to buy or sell, query to answer, or problem to solve) on a client machine so each competitor can respond to the invitation at substantially the same time, regardless of his or her location on the planet, or the type of Internet-connection used by his or her client machine. Also, by using globally time-synchronized client machines, each competitor's response is securely time and space stamped at the client machine to ensure that competitor responses are resolved within microsecond accuracy.
  [origin: WO0050974A2] A system and method of fairly and securely enabling time-constrained competitions over the Internet (190) among millions of competitors compensates for the variable network latencies experienced by client machines (160) used by the competitors. The system employs globally time synchronized Internet information servers and client machines in order to synchronize the initial display of each invitation to respond (e.g. stock price to buy or sell, query to answer, or problem to solve) on a client machine so each competitor can respond to the invitation at substantially the same time, regardless of location, or the type of Internet connection used by the client. By using globally time synchronized client machines (160), each competitor's response is securely time and space stamped at the client machine to ensure that competitor responses are resolved within microsecond accuracy.

IPC 1-7
  **G06F 1/00**

IPC 8 full level
  **G06F 13/00** (2006.01); **G06Q 30/06** (2012.01); **H04L 9/32** (2006.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01); **H04N 5/225** (2006.01); **H04N 7/173** (2006.01); **H04N 7/18** (2006.01); **H04N 21/235** (2011.01); **H04N 21/4782** (2011.01)

CPC (source: EP KR)
  **G06F 15/16** (2013.01 - KR); **G06Q 30/06** (2013.01 - EP); **H04L 65/80** (2013.01 - EP); **H04L 67/131** (2022.05 - EP); **H04L 67/34** (2013.01 - EP); **H04L 67/62** (2022.05 - EP); **H04L 69/28** (2013.01 - EP); H04L 67/02 (2013.01 - EP)

Citation (search report)
  See references of WO 0050974A2

Cited by
  US10979279B2

Designated contracting state (EPC)
  AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
  **WO 0050974 A2 20000831**; **WO 0050974 A3 20001207**; **WO 0050974 A9 20020829**; CA 2363940 A1 20000831; EP 1208412 A2 20020529; JP 2003526833 A 20030909; KR 100743896 B1 20070730; KR 20020012538 A 20020216

DOCDB simple family (application)
  **US 0005093 W 20000228**; CA 2363940 A 20000228; EP 00915913 A 20000228; JP 2000601510 A 20000228; KR 20017010983 A 20010827