Title (en)
COMPUTING INFRASTRUCTURE

Title (de)
DATENVERARBEITUNGS-INFRASTRUKTUR

Title (fr)
346INFRASTRUCTURE INFORMATIQUE

Publication
EP 2145362 A4 20120125 (EN)

Application
EP 08746717 A 20080423

Priority
• US 2008061346 W 20080423
• US 91350207 P 20070423

Abstract (en)
[origin: WO2008131446A2] "An affordable, highly trustworthy, survivable and available, operationally efficient distributed supercomputing infrastructure for processing, sharing and protecting both structured and unstructured information " A primary objective of the SHADOWS infrastructure is to establish a highly survivable, essentially maintenance-free shared platform for extremely high-performance computing (? e, supercornputing) - with "high performance" define both in terms of total throughput, but also in terms of very low- latency (although not every problem or customer necessarily requires very low latency) - while achieving unprecedented levels of affordability At its simplest, the idea is to use distributed "teams" of nodes in a self-healing network as the basis for managing and coordinating both the work to be accomplished and the resources available to do the work The SHADOWS concept of "teams" is responsible for its ability to "self-heal" and "adapt" its distributed resources in an "organic" manner Furthermore, the "teams" themselves are at the heart of decision-making, processing, and storage in the SHADOWS infrastructure Everything that's important is handled under the auspices and stewardship of a team.

IPC 8 full level
G06F 9/50 (2006.01); **G06F 15/16** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP)
G06F 9/5072 (2013.01); **G06F 15/161** (2013.01); H04L 63/105 (2013.01); Y02D 10/00 (2017.12); Y04S 40/20 (2013.01)

Citation (search report)
• [I] US 2005188088 A1 20050825 - FELLENSTEIN CRAIG [US], et al
• See references of WO 2008131446A2

Cited by
US10721680B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
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