

Title (en)

GENERIC KI-ARCHITECTURE FOR A MULTI-AGENT-SYSTEM

Title (de)

GENERISCHE KI-ARCHITEKTUR FÜR EIN MULTIAGENTEN-SYSTEM

Title (fr)

ARCHITECTURE AI GENERIQUE D'UN SYSTEME MULTI-AGENT

Publication

**EP 1915675 A2 20080430 (DE)**

Application

**EP 06776496 A 20060728**

Priority

- EP 2006007527 W 20060728
- DE 102005035903 A 20050728

Abstract (en)

[origin: WO2007012499A2] The invention relates to architecture of a computer program in order to implement a multi-agent-system. The architecture enables the agents to interact with a simulation or game world on a first plane and/or with robots in the real world<SUB>[GV1]</SUB> . Said architecture has a second and third plane. Said second plane contains an abstract representation of the simulation world on the first plane which reduces on concepts. Said third plane implements the agents of the multi-agent-system. Interfaces are only arranged between the first and the second plane, and between the second and the third plane, not, however, between the first and the third plane. The artificial intelligence of the agents is implemented on the second and third planes such that the simulation world of the first plane can be widened, which leads to artificial intelligence. As a result, the architecture provides a KI-middleware for, for example, computer games.

IPC 8 full level

**G06N 5/04** (2006.01)

CPC (source: EP US)

**A63F 13/10** (2022.01 - EP); **A63F 13/45** (2014.09 - EP); **A63F 13/67** (2014.09 - US); **G06N 5/043** (2013.01 - EP US);  
**A63F 2300/6027** (2013.01 - EP US)

Citation (search report)

See references of WO 2007012499A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2007012499 A2 20070201**; **WO 2007012499 A3 20080710**; DE 102005035903 A1 20070208; EP 1915675 A2 20080430;  
US 2009204563 A1 20090813; US 8095496 B2 20120110

DOCDB simple family (application)

**EP 2006007527 W 20060728**; DE 102005035903 A 20050728; EP 06776496 A 20060728; US 99683006 A 20060728