

Title (en)  
SHADER COMPLEX WITH DISTRIBUTED LEVEL ONE CACHE SYSTEM AND CENTRALIZED LEVEL TWO CACHE

Title (de)  
SCHATTIERERKOMPLEX MIT EINEM VERTEILTEN LEVEL-ONE-CACHE-SYSTEM UND ZENTRALISIERTEM LEVEL-TWO-CACHE

Title (fr)  
NUANCEUR COMPLEXE AVEC SYSTÈME DE MÉMOIRE CACHE DE NIVEAU 1 RÉPARTI ET MÉMOIRE CACHE DE NIVEAU 2 CENTRALISÉE

Publication  
**EP 2294571 A1 20110316 (EN)**

Application  
**EP 09755282 A 20090601**

Priority  

- US 2009003317 W 20090601
- US 5749208 P 20080530

Abstract (en)  
[origin: WO2009145919A1] A shader pipe texture filter utilizes a level one cache system as a primary method of storage but with the ability to have the level one cache system read and write to a level two cache system when necessary. The level one cache system communicates with the level two cache system via a wide channel memory bus. In addition, the level one cache system can be configured to support dual shader pipe texture filters while maintaining access to the level two cache system. A method utilizing a level one cache system as a primary method of storage with the ability to have the level one cache system read and write a level two cache system when necessary is also presented. In addition, level one cache systems can allocate a defined area of memory to be sharable amongst other resources.

IPC 8 full level  
**G09G 5/36** (2006.01); **G06F 12/08** (2006.01); **G06F 12/0811** (2016.01); **G06F 12/084** (2016.01); **G06F 12/0875** (2016.01); **G06T 1/60** (2006.01); **G06T 15/00** (2011.01)

CPC (source: EP)  
**G06F 12/0811** (2013.01); **G06F 12/084** (2013.01); **G06F 12/0875** (2013.01); **G06T 1/60** (2013.01); **G06T 15/005** (2013.01); **G06F 2212/302** (2013.01); **G06F 2212/455** (2013.01); **G09G 5/363** (2013.01); **G09G 2360/121** (2013.01)

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009145919 A1 20091203**; CN 102047316 A 20110504; CN 102047316 B 20160824; EP 2294571 A1 20110316; EP 2294571 A4 20140423; JP 2011523745 A 20110818; JP 5832284 B2 20151216; KR 101427409 B1 20140807; KR 20110015034 A 20110214

DOCDB simple family (application)  
**US 2009003317 W 20090601**; CN 200980119830 A 20090601; EP 09755282 A 20090601; JP 2011511651 A 20090601; KR 20107029825 A 20090601