Title (en)
TILED VIEWPORT COMPOSITION

Title (de)
TILED-VIEWPORT-ANORDNUNG

Title (fr)
COMPOSITION DE FENETRE D'AFFICHAGE A CARREAUX

Publication
EP 3098807 A1 20161130 (EN)

Application
EP 16179806 A 20120608

Priority
• EP 16179806 A 20120608
• EP 12171363 A 20120608

Abstract (en)
A system that buffers an application image reduces bandwidth requirements for accessing memory. The application image may be logically separated into tiles. A viewport may identify a visible portion of the application image, where the visible portion is smaller than the application image. The tiles overlapped by the viewport may be buffered in a front buffer and a back buffer. The tiles not overlapped by the viewport may be buffered in the back buffer but not in the front buffer. A composition manager, with knowledge of the viewport and at least two noncontiguous tile buffers in the front buffer, may extract the visible portion of the application image directly from the noncontiguous tile buffers.

IPC 8 full level
G09G 5/393 (2006.01); **G09G 5/395** (2006.01)

CPC (source: EP)
G09G 5/393 (2013.01); **G09G 5/395** (2013.01); G09G 5/399 (2013.01)

Citation (search report)
• [A] EP 0312720 A2 19890426 - TEKTRONIX INC [US]
• [A] WO 2005069271 A1 20050728 - APPLE COMPUTER [US], et al
• [A] US 5877762 A 19990302 - YOUNG JAMES A [US]
• [A] US 2004179019 A1 20040916 - SABELLA PAOLO E [US], et al
• [A] US 2010281402 A1 20101104 - STAIKOS GEORGE ROSS [CA], et al
• [A] US 5933155 A 19990803 - AKELEY KURT BARTON [US]
• [T] EP 2672480 A1 20131211 - QNX SOFTWARE SYSTEMS LTD [CA]

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2672480 A1 20131211; **EP 2672480 B1 20161116**; CA 2817492 A1 20131208; CA 2817492 C 20170314; CN 103489150 A 20140101; CN 103489150 B 20170301; EP 3098807 A1 20161130; EP 3098807 B1 20180117

DOCDB simple family (application)
EP 12171363 A 20120608; CA 2817492 A 20130531; CN 201310208305 A 20130530; EP 16179806 A 20120608