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Multi-Projector Displays Using Plug and Play Projectors

Tech ID: 18759 / UC Case 2007-238-0

BACKGROUND

Plug and play projectors (PPP) have been used for several years and combining multiple projectors to display a single image is desirable in order to display large, synchronized displays tiled arrays in high resolution. When it comes to screen size, bigger is only better when resolution is maintained and economics are reasonable.

TECHNOLOGY DESCRIPTION

Researchers at UC Irvine have developed an efficient and useful apparatus and method for self-calibrating multi-projector displays via plug and play projectors. Centralized techniques have been used until now when automatically calibrating large displays by tiling in a 2D array. In these techniques a centralized server managed all of the projectors and also the cameras used to calibrate the display. This invention uses an asynchronous distributed calibration methodology via a display unit that of a self-sufficient module that enables a truly scalable and reconfigurable display without any input from the user.

APPLICATIONS

High resolution, large format video displays

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	7,942,530	05/17/2011	2007-238

CONTACT

Doug Crawford
doug.crawford@uci.edu
tel: 949-824-2405.



OTHER INFORMATION

CATEGORIZED AS

- » Computer
- » Hardware
- » Software

RELATED CASES

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