



MARKETING INFORMATION

INTELLECTUAL PROPERTIES PORTFOLIO

Pix-Cell™

*A variety of innovative proprietary technologies providing
effective and efficient environmentally friendly solutions
improving quality of our environment.*

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Patented and Patent Pending Applications
on File with the USPTO

July 23, 2015

Intelligent LED Pix-Cell

[Patent Pending No. US 14,590,981](#)

Apparatus Intelligent Parallel View Illumination Pix-Cell, Methods of Configuration and Controls

Publications:

<http://www.prweb.com/releases/2014/01/prweb11509225.htm>

<http://www.prweb.com/releases/2014/06/prweb11956847.htm>

The Pix-Cell™ is a configurable ParallelView™ illumination devices, creating new opportunities to beautify the display of existing or new art, by providing soft and user friendly illumination techniques.

The Pix-Cell™ can serve as a building block, replacing discrete LED's, for creating super large scale displays and billboards, which are relatively easy to assemble and sustain using patented Plug-n-Power™ technology. Each Pix-Cell™ is configurable, including physical shape of the Pix-Cell™ and its relative position in respect to the illumination surface, and then each LED within the Pix-Cell™ is configurable, including: position of LED within the Pix-Cell™, illumination colors and controls.

The applications of the Pix-Cell™ technology includes dynamic illumination of a concert stage. The real-time controls of the illumination can be linked to the music performed. As an example, the tone of the music can be reflected in the colors and patterns, while the sound intensity represented by the illumination intensity.

The ParallelView™ illumination principal employed in each of the Pix-Cell™, regardless of its relative position to the stage, including performers and spectators, will not cause any "blind effects", and will remain pleasant to the eyes at all time.

Truly unique configurations for each Pix-Cell™ and a group of Pix-Cells™ can be created, and the specific configuration can be characterized in its "illumination behavior" vs. applied controls. Based on results of characterization, a control algorithm can be developed to achieve desired objectives, whether it is related to beautiful illumination of art, or a concert stage, or a real-time dynamic image streaming on a super large scale screen.

The Pix-Cell™ provides support for 3-D illumination, with multi-layers of colors and illumination intensity, potentially creating an unparalleled light effects. In comparison, Pix-Cells™ vs. discrete LED pixels, will deliver a solution which is significantly lower in costs, substantially better in energy efficiency, and most importantly – is safe to a human eyes at all times!

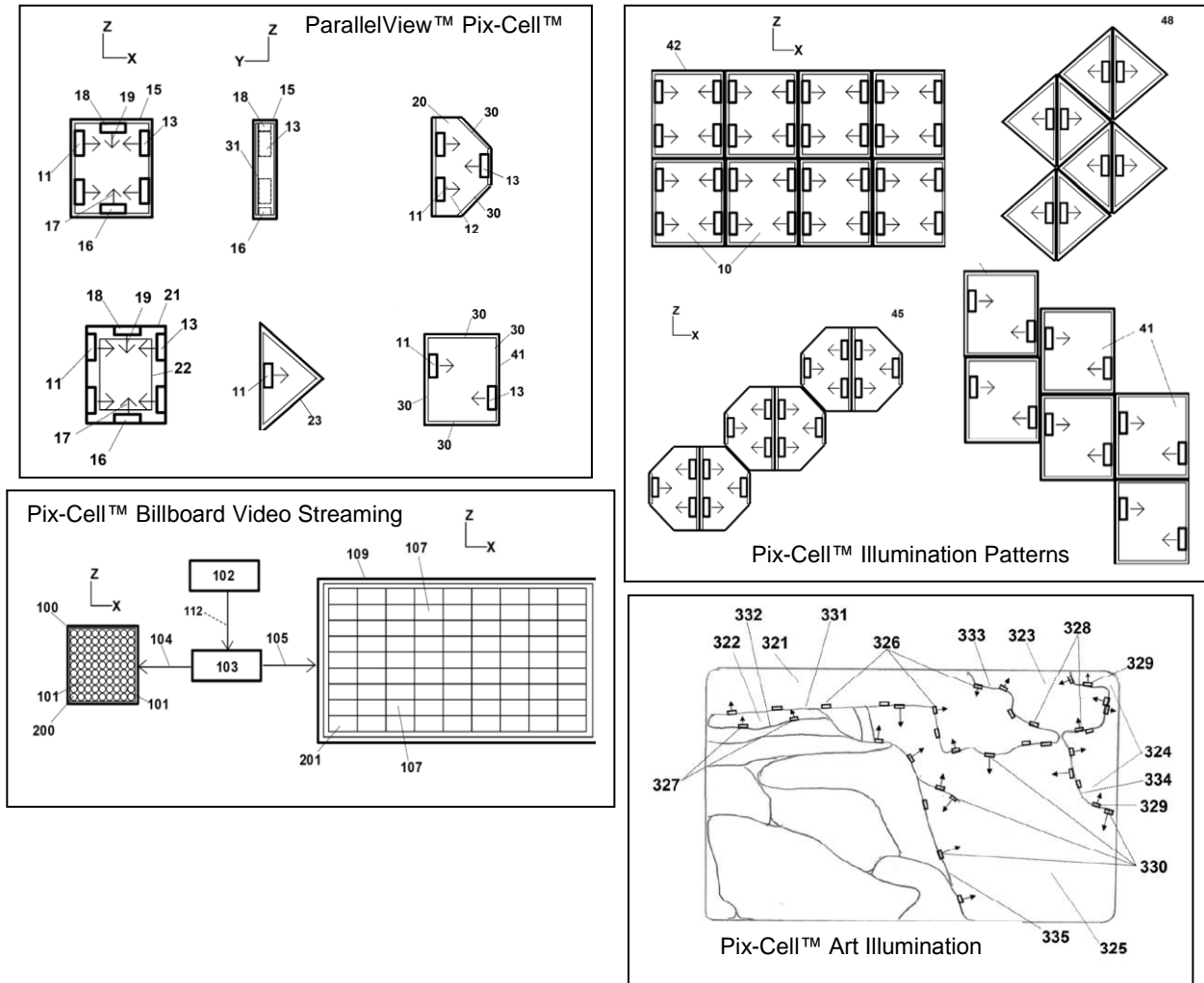


FIG. 1: Pix-Cell™ (illustrations from the Patents)