

Title (en)
A RECYCLING SYSTEM AND METHOD FOR INCREASING BRIGHTNESS USING LIGHT PIPES WITH ONE OR MORE LIGHT SOURCES, AND A PROJECTOR INCORPORATING THE SAME

Title (de)
RECYCLINGSYSTEM UND VERFAHREN FÜR ERHÖHTE HELLIGKEIT MITTELS VERWENDUNG VON HOHLLICHTLEITERN MIT EINER ODER MEHREREN LICHTQUELLEN UND PROJEKTOR DAMIT

Title (fr)
SYSTÈME ET PROCÉDÉ DE RECYCLAGE POUR AUGMENTER LA LUMINOSITÉ EN UTILISANT DES CONDUITS DE LUMIÈRE AVEC UNE OU PLUSIEURS SOURCES DE LUMIÈRE, ET PROJECTEUR INTÉGRANT LESDITS SYSTÈME ET PROCÉDÉ

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Abstract (en)
[origin: WO2010019945A1] A recycling system and method for increasing the brightness of light output using at least one recycling light pipe with at least one light source. The output end of the recycling light pipe reflects a first portion of the light back to the light source, a second portion the light to the input end of the recycling light pipe, and transmits the remaining portion of the light as output. The recycling system is incorporated into a projector to provide color projected image with increased brightness. The light source can be white LEDs, color LEDs, and dual paraboloid reflector (DPR) lamp.

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