

Title (en)
Lighting apparatus

Title (de)
Beleuchtungsanordnung

Title (fr)
Appareil d'éclairage

Publication
EP 2785143 A1 20141001 (EN)

Application
EP 14156454 A 20140225

Priority
JP 2013069893 A 20130328

Abstract (en)
To provide a lighting apparatus capable of easily varying the color of illuminating light in accordance with a desired atmosphere while maintaining vividness of a visual object illuminated with the light, and desirable color appearance. A lighting apparatus 1 includes: two or more types of light sources 2 having different emission spectrums; a controller 3 that allows setting of a color temperature of illuminating light from the light sources 2; and a control unit 4 that individually controls outputs of the light sources 2 so that the illuminating light has the color temperature set by means of the controller 3. The control unit 4, when the controller 3 has been operated to change the set color temperature, controls outputs of the light sources 2 so that the color temperature is varied in a state where a feeling of contrast index FCI is higher than 123 and a variation width of the FCI keeps within 10. Since the FCI is maintained at a value higher than 123 when the color temperature is changed, the color of the illuminating light can be easily varied in accordance with a desired atmosphere while maintaining vividness of a visual object illuminated by the illuminating light, and the desirable color appearance.

IPC 8 full level
H05B 33/08 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
H05B 45/20 (2020.01 - EP US)

Citation (applicant)
• JP 2011204659 A 20111013 - TOSHIBA LIGHTING & TECHNOLOGY
• JP 3040719 B2 20000515
• "New Version of Color Science Handbook", THE COLOR SCIENCE ASSOCIATION OF JAPAN

Citation (search report)
[X1] US 2012008318 A1 20120112 - ISHIWATA TOMOKO [JP], et al

Cited by
US10312419B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2785143 A1 20141001; **EP 2785143 B1 20171227**; CN 104080244 A 20141001; CN 104080244 B 20170118; JP 2014194843 A 20141009; JP 6384704 B2 20180905

DOCDB simple family (application)
EP 14156454 A 20140225; CN 201410046238 A 20140210; JP 2013069893 A 20130328