

Title (en)
VARIABLE COLOR LAMP

Publication
EP 0494310 A4 19921119 (EN)

Application
EP 91913076 A 19910718

Priority
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Abstract (en)
[origin: WO9202035A1] A variable color lamp of which the chromaticity of the light can be varied. The variable color lamp (1) has first, second, and third arc tubes (3, 4 and 5), each being a metal halide tube, in an outer tube (2). Main electrodes enclosed in the respective arc tubes are connected with a power controlling circuit (20). The first arc tube (3) in which indium halide is sealed emits light of a strong line spectrum in bluish violet. The second arc tube (4) in which thallium halide is enclosed has a strong line spectrum in green. The third arc tube (5) in which sodium halide is enclosed has a strong line spectrum in yellowish red. The color of light of the lamp can be adjusted to any color in the almost whole range of visible rays on x-y chromaticity diagram by changing the relative intensities of light of the respective arc tubes through the use of the power controlling circuit, etc.

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CPC (source: EP KR)
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Citation (search report)
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• [A] FR 752589 A 19330926 - PHILIPS NV
• [A] FR 2353015 A1 19771223 - MITSUBISHI ELECTRIC CORP [JP]
• [X] JOURNAL OF THE ILLUMINATING ENGINEERING SOCIETY. vol. 18, no. 2, 1989, NEW YORK US pages 23 - 31; TOHO ET AL.: 'High Brightness, Color Variable Lighting Element for Large Outdoor Displays'
• [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 421 (E-822)19 September 1989 & JP-A-1 155 793 (SEIKO EPSON CORP) 19 June 1989
• [A] WORLD PATENTS INDEX LATEST Section Ch, Week 8543, 1985 Derwent Publications Ltd., London, GB; Class E, AN 85-267393 & JP-A-60 180 964 (TOKUYAMA SODA KK) 14 September 1985
• [AP] PATENT ABSTRACTS OF JAPAN vol. 15, no. 1 (C-793)7 January 1991 & JP-A-2 255 563 (TOSHIBA TUNGALOY CO LTD) 16 October 1990
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JP 9100962 W 19910718; CA 2066604 A 19910718; EP 91913076 A 19910718; KR 920700587 A 19920314