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(71) Applicant (for all designated States except US): **VAL-OYA OY** [FI/FI]; Lammentie 80, FI-02520 Lapinkylä, Kirkkonummi (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **AIKALA, Lars** [FI/FI]; c/o Valoya Oy, Lammentie 80, FI-02520 Lapinkylä, Kirkkonummi (FI).(74) Agent: **SUINNO OY**; P.O. Box 346, FI-00131 Helsinki (FI).

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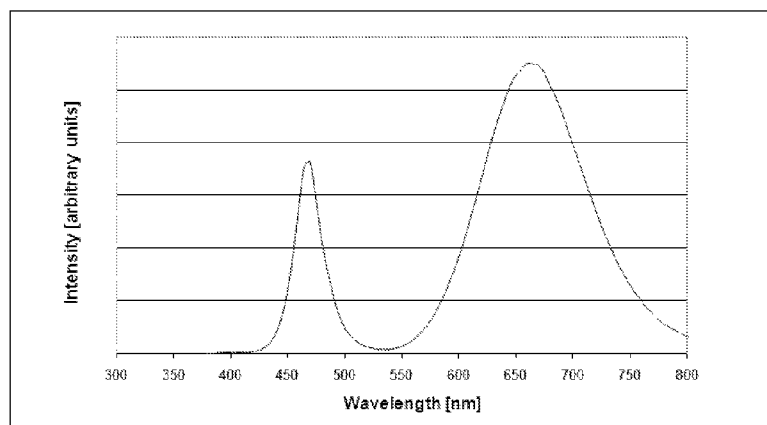


Fig. 3

(57) Abstract: A lighting fixture for facilitating plant growth and a light emitting component. The fixture comprises a single light emission source LED device which provides at least two emission peaks in the wavelength range of 300–800 nm and at least one of the emission peaks has Full Width of Half Maximum (FWHM) at least 50 nm or higher. The emission peaks of the LED match well with a plant photosynthesis response spectrum and is therefore particularly suitable for high efficiency artificial lighting.