Title (en)

AMBIENT LIGHT DETECTION BY MEANS OF TWO LIGHT SENSORS ARRANGED WITHIN A LUMINAIRE

Title (de)

UMGEBUNGSLICHTERFASSUNG MITTELS ZWEIER INNERHALB EINER LEUCHTE ANGEORDNETEN LICHTSENSOREN

Title (fr)

DÉTECTION DE LUMIÈRE AMBIANTE AU MOYEN DE DEUX CAPTEURS DE LUMIÈRE DISPOSÉS À L'INTÉRIEUR D'UN LUMINAIRE

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Application

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Abstract (en)

[origin: WO2021170455A1] The present invention relates to a luminaire (1), comprising a housing (2) having a diffusion panel (3) as light emission surface, comprising at least one illuminant (4) which is arranged within the housing (2) such that it is set up to emit light through the diffusion panel (3) to the area outside of the housing (2), and comprising at least two light sensors (S1, S2) arranged within the housing (2), the light sensors being set up to detect light. The at least two light sensors (S1, S2) have different detection regions (B1, B2) within the housing (2) and are set up to detect light (Et) which enters through the diffusion panel (3) into the housing interior from the area outside of the housing (2), wherein, on account of the different detection regions (B1, B2), one of the at least two light sensors (S1, S2) detects light (Er2) that was emitted by the at least one illuminant (4) and reflected from at least one wall of the housing interior. The invention further relates to a lighting system having at least one such luminaire and to a method for detecting the ambient light of such a luminaire.

IPC 8 full level

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