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OPERATING A NETWORK OF LUMINAIRES****Publication Classification**(51) **Int. Cl.**
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Wellens**, Kraainem (BE)(21) Appl. No.: **17/813,250**(22) Filed: **Jul. 18, 2022****Related U.S. Application Data**(63) Continuation of application No. 17/068,680, filed on
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(57) **ABSTRACT**

Described herein is method for setting up a network of luminaires and their subsequent operation. A plurality of luminaires are located on a street (24, 29), and each luminaire comprises a control module (23, 28). The method for setting up the network comprises, for each control module, scanning the environment and providing environmental information to a central server, which, allocates the control modules and their associated luminaires into groups (A, B). A group controller (23', 28', 31, 32) is allocated for each group which has long-distance communication with the server and short-distance communication with control modules within its group. Each group controller and control modules within the group form a network which can operate autonomously or under the control of the server. Some of the control modules may include sensors (S1, S2) which provide signals indicative of changes in the environment allowing the network to adapt its operation in accordance with those changes.

