



US 20220352700A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2022/0352700 A1**  
Richardson (43) **Pub. Date: Nov. 3, 2022**(54) **APPARATUS FOR PROVIDING POWER AND PERIPHERAL MOUNTING WITHIN AN IRRIGATION ASSEMBLY**(52) **U.S. Cl.**  
CPC ..... **H02G 3/02** (2013.01); **H04L 12/10** (2013.01); **A01G 25/092** (2013.01)(71) Applicant: **Valmont Industries, Inc.**, Omaha, NE (US)(72) Inventor: **Kirk Richardson**, Missouri Valley, IA (US)(73) Assignee: **Valmont Industries, Inc.**, Omaha, NE (US)(21) Appl. No.: **17/717,231**(22) Filed: **Apr. 11, 2022****Related U.S. Application Data**

(60) Provisional application No. 63/181,999, filed on Apr. 30, 2021.

**Publication Classification**(51) **Int. Cl.**  
**H02G 3/02** (2006.01)  
**H04L 12/10** (2006.01)(57) **ABSTRACT**

The present invention provides the present invention provides a power and data distribution system which includes an adjustable surface for mounting device peripherals such as sensors, lights, solar panels and the like. According to a first preferred embodiment, an exemplary system includes: a distribution cord which includes a power cord and a data cord; and a connection hub which is located along a length of the distribution cord. According to a further preferred embodiment, the connection hub includes a power outlet and a data outlet which are electrically connected to the distribution cord. According to a further preferred embodiment, the present invention further includes a peripheral securing attachment which attaches to an irrigation span and which includes a peripheral rail, a central cord tunnel and a lower securing surface.

