

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2022/0361352 A1

Pawlenko et al. (43) **Pub. Date:**

Nov. 10, 2022

(54) ADJUSTABLE FREE-STANDING SUPPORT FOR A DATA DISPLAY MONITOR

(71) Applicant: Manufacturing Design Solutions,

Holland, PA (US)

Inventors: Nikolai F. Pawlenko, Holland, PA

(US); Ivan W. Pawlenko, Holland, PA (US); Ivan Pawlenko, Holland, PA (US); Sean J. Kennison, Washington,

PA (US)

(73) Assignee: Manufacturing Design Solutions

(21) Appl. No.: 17/314,020

(22) Filed: May 6, 2021

Publication Classification

(51) **Int. Cl.** H05K 5/02

(2006.01)H05K 5/00 (2006.01)G06F 1/18 (2006.01)

(52) U.S. Cl.

CPC H05K 5/0234 (2013.01); H05K 5/0017 (2013.01); H05K 5/0226 (2013.01); G06F *1/181* (2013.01)

(57)**ABSTRACT**

A support assembly for a data display monitor. The support assembly utilizes a base frame that can be placed on a flat working surface. A hub is connected to the base frame and is free to rotate about a vertical axis. At least one support arm is provided. Each support arm is connected to the hub with a first hinge connection. Each support arm also connects to a mounting plate with a second hinge connection. The second hinge connection enables the mounting plate to rotate at least ninety degrees through a range of motion. The mounting plate is attached to the data display monitor. As the mounting plate moves through its range of motion, the data display monitor moves with the mounting plate. The data display monitor can therefore be moved through the range of motion between a vertical orientation and a horizontal orientation.

