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(71) Applicant: VALMONT INDUSTRIES, INC. [US/US];  
One Valmont Plaza, Omaha, NE 68154 (US).

(72) Inventors: MOELLER, Mark; 35 Ginger Woods Road,  
Valley, NE 68064 (US). THATCHER, Tracy, A.; 6926 S  
197th St., Gretna, NE 68028 (US).

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(74) Agent: MILLIGAN, David, H.; 12020 Shamrock Plaza,  
Suite 200, Omaha, NE 68154 (US).

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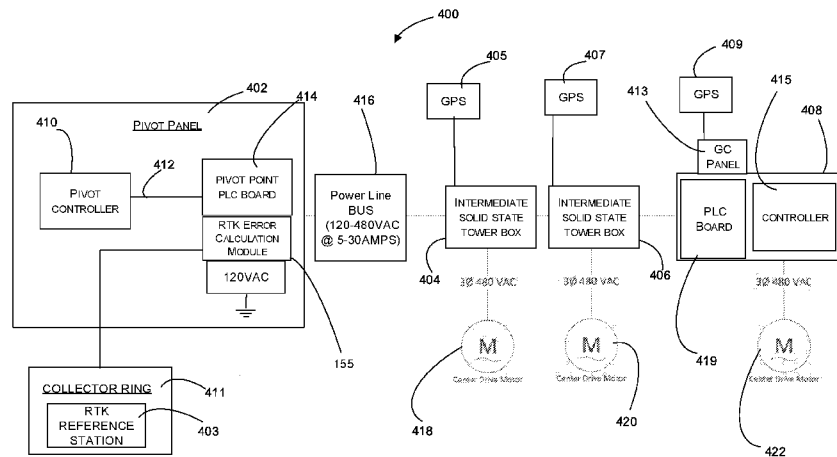


FIG. 4

(57) Abstract: The present invention provides a method for aligning spans using real-time kinetics (RTK) data communicated through a power line carrier system. According to a further preferred embodiment, the method of present invention includes the steps of: receiving a first set of GPS location data and second set of RTK data; comparing the first set of GPS location data with the second set of RTK data; calculating RTK error correction data; creating an RTK error correction data signal containing RTK error correction data; modulating the RTK error correction data signal for transmission on a power line carrier; transmitting the RTK error correction data signal through a power line BUS onto a power line to a last drive tower; de-modulating the RTK error correction data signal; calculating the location of the last drive tower using the RTK error correction data; calculating a straight, center line between the pivot and the last drive unit; calculating the relative distances between each intermediate drive tower and the calculated center line; and controlling the speed or

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