

**AERIAL WORK PLATFORM BOOM HAVING GROUND AND PLATFORM
CONTROLS LINKED BY A CONTROLLER AREA NETWORK**

ABSTRACT OF THE DISCLOSURE

5 An aerial work platform supported by a riser boom, a telescoping main boom, and a
jib boom. Boom movement may be controlled by a platform control module or a ground
control module connected to a controller by a controller area network (CAN). Movement of
the platform and the jib boom are limited to a predefined envelope. If an operator attempts to
move the platform outside the envelope, the controller automatically retracts the telescoping
boom section or automatically levels the jib boom section in order to maintain the platform
10 within the acceptable envelope. Boom section select switches permit the operator to select
and move sequentially or simultaneously in different directions. . Timers which are part of
the system include various interlocks to accomplish safety and power saver features.

Fig. 2B