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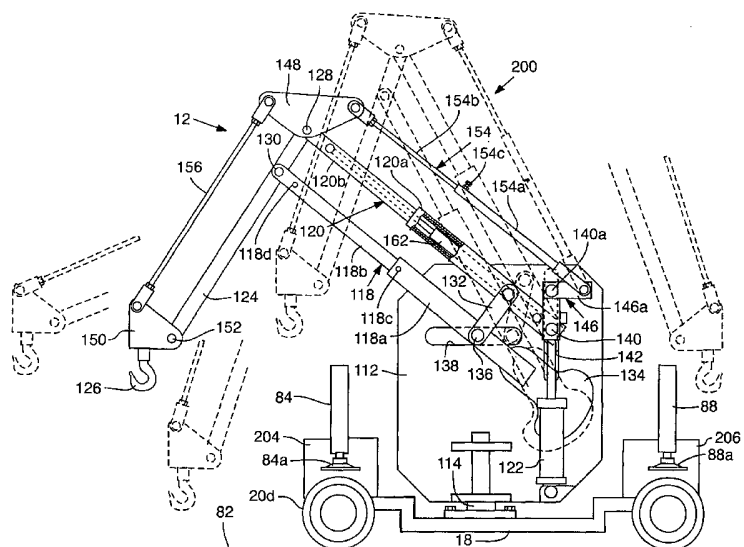
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- (72) Inventor; and
(75) Inventor/Applicant (for US only): **CLARK, Curtis, C.** [US/US]; 12705 East 12th Avenue, Spokane, WA 99216 (US).
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- (74) Agent: **STUART, John, W.**; Klarquist Sparkman, LLP, One World Trade Center, Suite 1600, 121 S.W. Salmon Street, Portland, OR 97204 (US).
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- (71) Applicant (for all designated States except US): **THE GOVERNMENT OF THE UNITED STATES OF AMERICA**, as represented by **THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION** [US/US]; Technology Transfer Office, 4770 Buford Highway (K79), Atlanta, GA 30341 (US).

[Continued on next page]

(54) Title: MOBILE LOAD HANDLING APPARATUS



(57) Abstract: Load manipulating mechanism (12, 12A) is mounted on a mobile wheel-driven support platform (18, 18A). All driving mechanism, energy source, and needed functional apparatus for mobility and lifting are self contained on the apparatus such that it may be conveniently moved to needed work sites for lifting and materials manipulation. Outriggers (64, 66, 220A-D) extendible from the main support platform and having surface engaging pads (242, 84a, 86a, 88a, 90a) provide stability and leveling. Load arms (118, 120, 124) in the mechanism are extendible and retractable between stowed travel and extended operating conditions, and include telescopic sections in a parallelogram arrangement. The load manipulating mechanism functions as load balancer, using a pneumatic control system (122) and counterweight (134).



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