

ABSTRACT

TRUSS-LIKE HYDRAULIC LIFTING APPARATUS WITH PLUGS

5 The embodiments of the present invention provides a truss-like hydraulic lifting
apparatus with plugs, comprising: a pile reinforcing frame; a truss structure extending
through and mounted within the pile reinforcing frame, wherein the truss structure
comprises a first number of uniformly disposed support legs, and each of the support legs is
provided with a support leg inserting hole; a first number of power source devices each
10 provided with a plug corresponding to the support leg inserting hole of each of the support
legs; and a detachable mechanism for detachably fixing each of the power source devices to
the pile reinforcing frame, wherein the detachable mechanism comprises a base plate
laterally fixed relative to the pile reinforcing frame with an opening through which the
support leg vertically passes and forming a protective cap above the power source device,
15 wherein the lateral dimension of the protective cap is larger than the lateral dimension of the
power source device. The present invention facilitates the dismount of the power source
device, improves the utilization rate of the power source device, reduces the apparatus cost
and the production cost, and protects the power source device.

(Fig. 1)