

Title (en)

Collapsible structure convertible to a load-supporting device.

Title (de)

Faltbare Struktur, die in eine lastenaufnehmende Vorrichtung verwandelt werden kann.

Title (fr)

Structure pliable convertible en un dispositif supportant une charge.

Publication

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Application

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Priority

IL 8023686 A 19861006

Abstract (en)

Various structures, such as a stair, bridge, table, ladder, or stretcher can be folded to a compact configuration for transportation and/or storage but rapidly extended for deployment as a rigid, load-bearing device. The structures include a plurality of rows of rigid plates (1) hinged together about mutually perpendicular axes. If all of the plates are in a common plane and a force is applied perpendicular to the hinge axes, the plates can fold up to a compact form. When one or more of the rows of plates is swung perpendicular to a further row of hinged plates, the configuration becomes rigid and capable of supporting a load.

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IPC 8 full level

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Cited by

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