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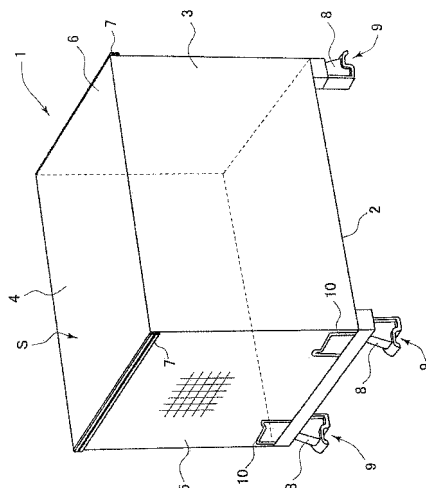
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(54) **Article storage apparatus**

(57) The invention provides an article storage apparatus (1) which has a high earthquake resisting strength and can achieve weight saving and cost reduction. The article storage apparatus uses a lattice-shaped panel in which a plurality of rod-like members intersect, and is provided with a bottom panel (2) forming a loading surface for an article to be stored, front (3) and rear lattice-shaped panels (4) provided in a rising manner in both front and rear end portions of the bottom panel, and side lattice-shaped panels (5,6) provided in a rising manner in both side portions of the bottom panel. Further, side surfaces of the side lattice-shaped panels are provided with an upper reinforcing member (7) attached along an upper end portion of the panel and having a higher flexure strength than that of the rod-like member. Further, there are leg portions (8) provided having engagement portions (9) capable of engaging with at least the upper reinforcing member and provided in a lower surface of the bottom panel. The engagement portions of the leg portions of the article storage apparatuses adjacent vertically to each other are engaged with at least the upper reinforcing member, at the time of piling a plurality of the article storage apparatuses. Since the article storage apparatus is reinforced by the upper reinforcing member, it is possible to manufacture the article storage apparatus having a high earthquake resisting strength.

FIG. 1





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# EUROPEAN SEARCH REPORT

Application Number  
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	FR 1 161 532 A (FISHER & LUDLOW LIMITED) 1 September 1958 (1958-09-01) * page 2, left-hand column, paragraph 6 - right-hand column, paragraph 6; figures 1,2 *  -----	1	INV. B65D19/10 B65D19/12 B65D21/02
			TECHNICAL FIELDS SEARCHED (IPC)
			B65D
<del>The present search report has been drawn up for all claims</del>			
Place of search <b>Munich</b>		Date of completion of the search <b>20 April 2006</b>	Examiner <b>Balz, O</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

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### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-3



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3

Group I relates to an article storage apparatus with a reinforcing member.

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2. claims: 4-8

Group II relates to an article storage apparatus with foldable panels.

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3. claim: 9

Group III relates to an article storage apparatus with a specific structure of rod-like members.

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 10 0360

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-04-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 1161532	A	01-09-1958	NONE
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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82