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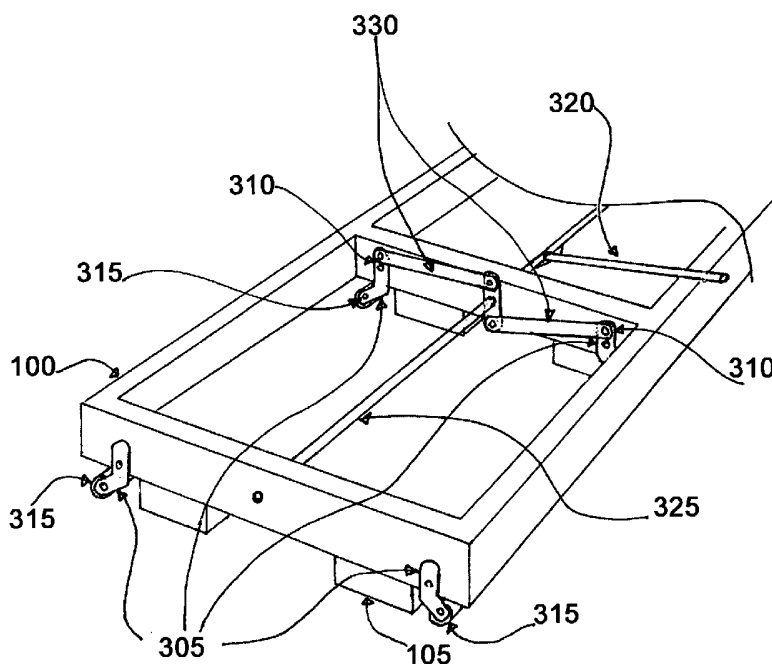
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(54) Title: APPARATUS FOR THE LIFTING OF FERROMAGNETIC METAL SHEETS



(57) Abstract: A relatively lightweight permanent magnetic system employing as integral components on a frame (100), plate or table, a plurality of shallow field magnetic devices (105) specifically to grip, lift and carry a thin ferromagnetic metal sheet (405) and a means to discharge (305, 310, 315) the retained ferromagnetic metal sheet (405) at will by taking advantage of the propensity of such steel sheet to bend under pressure.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER		
Int. Cl.		
<i>B66C 1/04</i> (2006.01) <i>B66C 1/06</i> (2006.01)		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC B66C 1/04, 1/06, Key Words(sheet, frame, fixture, cam, lever etc)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	AU 2004100315 A4 (SERPENT AND DOVE PTY LTD et al) 3 June 2004 See entire document	1-15
X	GB 2184603 A (IMADOS INSTITUT MANIPULACNICH DOPRAVNICH OBALOVYCH) 24 June 1987 See figures and lines 1- 50 on page 1	1-15
X	EP 974545 A1 (JUNG) 26 January 2000 See figure 17 and columns 3 - 6	1-15
X	JP 08324951 A (SUMITOMO HEAVY IND LTD) 10 December 1996 See abstract and figures	1-15
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
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"E"	earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/IB2005/002502

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report	Patent Family Member			
AU 2004100315				
GB 2184603	DE 3545213			
EP 0974545	CN 1243093	JP 2000044160	US 6076873	
JP 8324951				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.				
END OF ANNEX				