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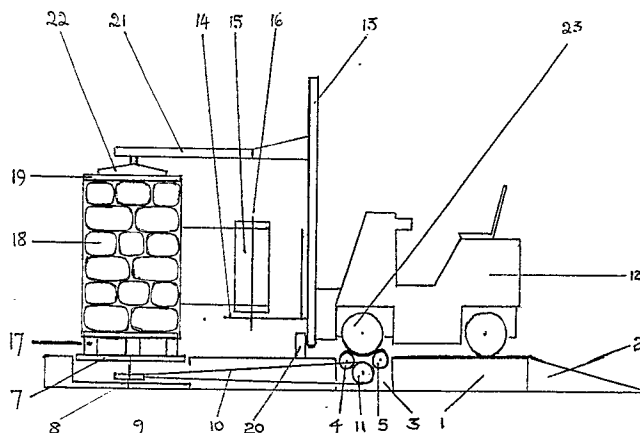
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⑤④ **Packaging or wrapping assembly.**

⑤⑦ Packaging assembly characterised by using a vehicle, especially a fork-lift truck (12), as power source for packaging operation. Primarily intended for wrapping loads (18) with plastics film, but can use any conventional materials or combinations, including those applied using spraying (co-cooning or lacquering). Power offtake from vehicle can be hydraulic or electrical but is preferably mechanical, using vehicle's drive wheels (23) to engage rollers (4, 5) or turntable (7) to operate the load manipulator (usually supporting turntable or rollers) through intermediate transmission (10). Packaging material is preferably supplied from dispenser (15) mounted on the vehicle (12), together with optional ancillaries (heaters, load stabilisers). Variants include making the load manipulator able to tilt to allow wrapping in several directions, making the assembly as separate modules, including folded stiff sheeting within packaged load as disposable strengthener (substitute for pallet), and operating two manipulators by one vehicle. Improves vehicle utilisation and advantageous in hazardous areas, restricted space, or remote from power sources.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Y	US-A-4 235 062 (LANCASTER P.R. et al.) * Column 5, lines 1-42; figure 1 *	1-5, 24 , 25, 27	B 65 B 11/04
A		11, 14, 19	
Y	CH-A- 86 911 (PLETSCHER F.) * Page 1, column 1, last paragraph; figures 2, 4 *	1-5, 24 , 25, 27	
A	US-A-4 282 700 (GOLDSTEIN) * Whole document *	1, 2, 10 , 18, 20 -23, 26	
A	DE-A-1 919 512 (REYNOLD METALS COMPANY) * Page 8, paragraph 2; figures 1, 4 *	7	B 65 B B 60 K
A	GB-A-1 487 512 (INPAC AUTOMATION) * Page 1, line 66 - page 2, line 10; figures *	10, 20	
A	FR-A-2 406 016 (BEMIS COMPANY) * Page 1, lines 1-3; figure 8 *	15	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 26-01-1984	Examiner GRENTZIUS W.
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	



DOCUMENTS CONSIDERED TO BE RELEVANT				Page 2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)	
A	DE-A-3 024 431 (BÜTTNER H.H.) -----			
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)	
The present search report has been drawn up for all claims				
Place of search THE HAGUE		Date of completion of the search 26-01-1984	Examiner GRENTZIUS W.	
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				