

Title (en)  
Packaging or wrapping assembly.

Title (de)  
Verpackungs- oder Umwicklungsvorrichtung.

Title (fr)  
Unité d'emballage ou d'enveloppement.

Publication  
**EP 0086045 A2 19830817 (EN)**

Application  
**EP 83300248 A 19830119**

Priority  

- GB 8203277 A 19820204
- GB 8208534 A 19820323
- GB 8230674 A 19821027

Abstract (en)  
Packaging assembly characterised by using a vehicle, especially a fork-lift truck, as power source for packaging operation. Primarily intended for wrapping loads with plastics film, but can use any conventional materials or combinations, including those applied using spraying (cocooning or lacquering). Power offtake from vehicle can be hydraulic or electrical but is preferably mechanical, using vehicle's drive wheels to engage rollers or turntable to operate the load manipulator (usually supporting turntable or rollers) through intermediate transmission. Packaging material is preferably supplied from dispenser mounted on the vehicle, 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.

IPC 1-7  
**B65B 11/04**

IPC 8 full level  
**B65B 11/04** (2006.01)

CPC (source: EP)  
**B65B 11/045** (2013.01)

Cited by  
FR2600973A1; CN114044464A; US2023339635A1; EP4209434A1; EP0178145A1; GB2169260A; GB2169260B; US8641027B2; WO8603173A1; WO0236433A1; WO8904467A1; US7137233B2; US11597544B2; US9637255B2

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**EP 0086045 A2 19830817; EP 0086045 A3 19840523; EP 0086045 B1 19880921**; AU 1072783 A 19830811; AU 568487 B2 19880107; DE 3378038 D1 19881027; DK 47383 A 19830805; DK 47383 D0 19830204; NZ 203052 A 19860611

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**EP 83300248 A 19830119**; AU 1072783 A 19830125; DE 3378038 T 19830119; DK 47383 A 19830204; NZ 20305283 A 19830119