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I-20122 Milano(IT)(54) **A device for engaging, lifting and tilting trash or refuse bins, intended for side loading trucks.**

(57) A device (9) for engaging, lifting and tilting a trash or refuse bin (10), intended for a side loading truck (1), which features a simple and reliable construction and provides for full discharge of the trash material from the bin (10) into the truck (1), comprises an articulated quadrilateral (27) for bin lifting having its fixed side (17) associated with a slide (12) slidable toward and away from the bin (10), its moving side (21) carrying bin-engaging arms (11), and a pair of rocker arms (25,26) wherein the lower rocker arm (26) is extensible by rotation of the moving side (21) of the quadrilateral (27) about the end of the upper rocker arm (25), to turn the bin (10) upside down and accordingly discharge the trash material into the truck body (2), or truck (1) hopper if so equipped.

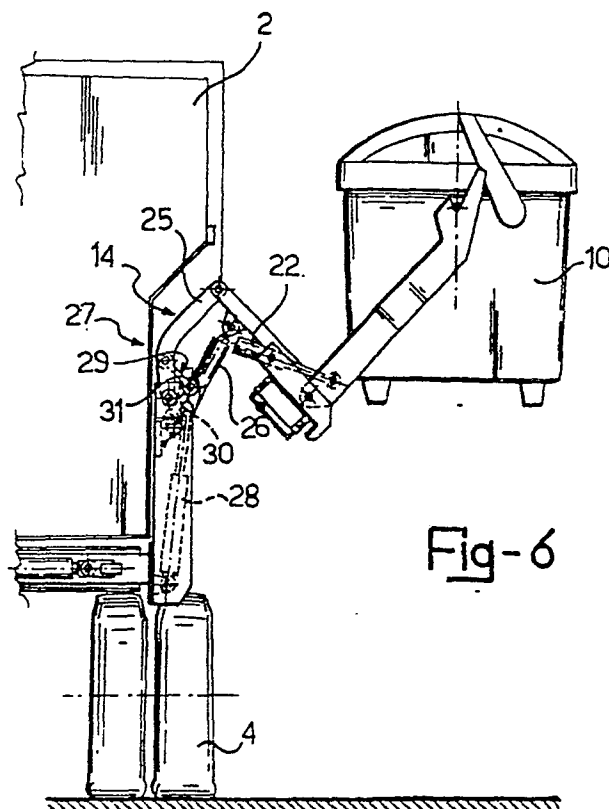


Fig-6

EP 0 312 900 A3



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. 4)
Y	GB-A-2 078 196 (GLOVER WEBB & LIVERSIDGE) * Figures 1,2; page 2, lines 17-72; page 3, lines 70-83 *	1-5	B 65 F 3/04
Y	US-A-4 543 028 (BELL et al.) * Figures 1,2; column 3, lines 7-29, column 3, line 48 - column 4, line 10 *	1-5	
A	FR-A-2 461 667 (SOCIETE INDUSTRIELLE DE TRANSPORTS AUTOMOBILES)		
A	EP-A-0 173 180 (ZÖLLER-KIPPER GmbH)		
A	DE-A-2 263 772 (ZÖLLER-KIPPER GmbH)		
A	US-A-4 479 751 (WYMAN et al.)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 65 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-10-1989	Examiner DEUTSCH J.P.M.
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	