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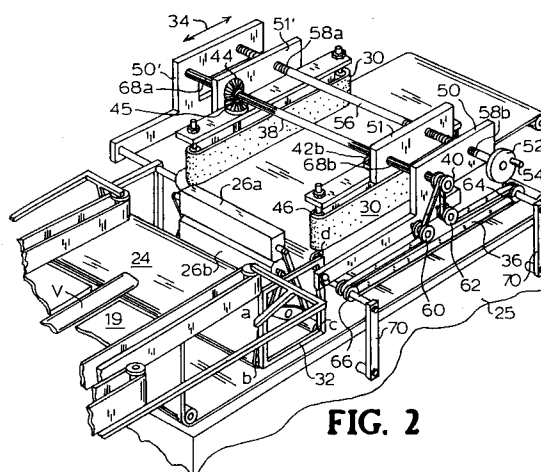
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B65G 21/10**(22) Date of filing: **02.09.93**(30) Priority: **03.05.93 US 58002**(43) Date of publication of application:  
**21.12.94 Bulletin 94/51**(84) Designated Contracting States:  
**DE FR GB**(88) Date of deferred publication of the search report:  
**18.01.95 Bulletin 95/03**(71) Applicant: **OSSID CORPORATION****4000 College Road,****P.O. Box 1968****Rocky Mount,****North Carolina 27802 (US)**Applicant: **IBARAKI SEIKI MACHINERY****COMPANY Ltd.****5-5 Shinchujo-Cho****Ibaraki City,****Osaka (JP)**(72) Inventor: **Tolson, Sidney S.****PO Box 566****Scotland Neck,****North Carolina 27878 (US)**(74) Representative: **Woodward, John Calvin et al****Venner Shipley & Co.****20 Little Britain****London EC1A 7DH (GB)**(54) **Packaging machine with reciprocating conveyor.**

(57) In a film packaging machine wherein a pair of sealing bars (26) are caused to move linearly with a film (F) so as to increase the sealing cycle time, a pair of control belts (30) are mounted so as to reciprocate in unison with said sealing bars. The control belts (30), which are oriented vertically at opposite edges of a central product conveyor (24) and adapted to grip a product being wrapped, are rotated from a drive apparatus mounted to the machine body at a speed which equals the linear speed of reciprocation. Thus, the control belts (30) do not rotate when the reciprocating motion is in the same direction as the direction in which the film and product move, and rotate at double the linear speed of reciprocation when the reciprocating motion is in the opposite direction.

**FIG. 2****EP 0 629 550 A3**



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## EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 93306953.6
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US - A - 4 553 377 (KLINKEL) * Totality * --	1-15	B 65 B 9/06 B 65 B 51/26 B 65 G 21/10
A	GB - A - 2 042 962 (ILLIQ MB GMBH & CO) * Totality * --	1-15	
A	US - A - 4 313 288 (TASSI et al.) * Totality * --	1-15	
A	DE - A - 2 804 967 (OLIVER MACHINERY CO.) * Totality * --	1-15	
A	US - A - 4 063 400 (MILLEVOI) * Fig. 5 * --	1-15	
A	US - A - 3 995 407 (SEGALE et al.) * Totality * --	1	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
A	DE - A - 2 341 614 (MÖLLER) * Totality * --	1-15	B 65 B 9/00 B 65 B 11/00 B 65 B 35/00 B 65 B 51/00 B 65 B 61/00 B 65 G 21/00
D,A	US - A - 5 137 099 (TOLSON) --	1	
D,A	US - A - 4 841 715 (SUGA) -----	1	
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 21-11-1994	Examiner MELZER
<b>CATEGORY OF CITED DOCUMENTS</b> 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			