

Title (en)

System for regulating the feed of articles to a wrapping machine.

Title (de)

System um die Zufuhr von Gegenständen zu einer Verpackungsmaschine zu regeln.

Title (fr)

Système pour régler l'alimentation d'articles vers une machine d'emballage.

Publication

EP 0084299 A1 19830727 (EN)

Application

EP 82830306 A 19821227

Priority

IT 6700382 A 19820105

Abstract (en)

The invention relates to a system for regulating the feed of articles to a wrapping machine, of the type comprising means (9) for advancing longitudinally a wrapping strip (2) which bears a series of marks spaced longitudinally from each other, and first sensor means (22) arranged to detect the passage of the marks and provide signals indicative of the positions of the strip at predetermined instants. The system includes conveyor means (24) for feeding a series of articles (11) spaced longitudinally from each other to the wrapping machine, second sensor means (27) arranged to provide signals indicative of the position of the articles (11) on the said conveyor means (24) and control means (26) for varying the speed of the conveyor means (24) in dependence on output signals from the second sensor means (27) so as to feed the articles (11) to the wrapping machine in a predetermined phase relationship with the said wrapping strip (2). According to the invention, the second sensor means (27) are actuated by output signals from the first sensor means (22) whereby the output signals from the second sensor means are indicative of any deviation of each article from the correct position in phase with the wrapping strip.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] EP 0018041 A2 19801029 - SITMA [IT]
- [X] US 3589095 A 19710629 - JAMES ROBERT C, et al

Cited by

US4807420A; FR2589127A1; US5347791A; DE3816263A1; US4907399A; EP0296290A1; JP2016098030A; GB2227473A; GB2227473B; CN113439059A; US7877965B2; EP2484611A3; ITBO20110053A1; WO2009129888A1; WO9312003A3; WO2020174276A1; EP0230137B1

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