

Title (en)  
PROCESS FOR THE MANAGEMENT OF WASTE WITH SEMIFINISHED PRODUCT RECIRCULATION FOR AN AUTOMATIC MACHINE FOR MANUFACTURING OR PACKING CONSUMER ARTICLES

Title (de)  
VERFAHREN ZUR ABFALLVERWALTUNG MIT HALBFABRIKATRÜCKFÜHRUNG FÜR EINE AUTOMATISCHE MASCHINE ZUR HERSTELLUNG ODER VERPACKUNG VON KONSUMARTIKELN

Title (fr)  
PROCÉDÉ DE GESTION DE DÉCHETS AVEC RECIRCULATION DE PRODUITS SEMI-FINIS POUR UNE MACHINE AUTOMATIQUE DE FABRICATION OU D'EMBALLAGE D'ARTICLES DE CONSOMMATION

Publication  
**EP 4371894 A1 20240522 (EN)**

Application  
**EP 23204874 A 20231020**

Priority  
IT 202200022389 A 20221031

Abstract (en)  
Process for the management of waste with recirculation of semifinished articles (3) of at least part (2) of an automatic machine (1) for manufacturing or packing consumer articles; the process comprises the steps of: conveying, by means of a circuital conveyor system (4) and according to a first periodic law of motion, a plurality of semifinished articles (3) along a conveying path (CP); wherein the circuital conveyor system (4) comprises a normally operating portion (8) and a normally non-operating portion (9); checking, in a control area (IA), the quality and/or the position and/or the orientation of an article (3') being processed and/or of a component (11, 11") to be added to the article (3') being processed; and, in case the article (3') being processed and/or of a component (11, 11") are defective, a recirculation step, during which the article (3') being processed continues to be conveyed according to the first periodic law of motion through the normally non-operating portion (9) and the at least one inactive station (IS), recirculating by means of the circuital conveyor system (4) until returning to the normally operating portion (8).

IPC 8 full level  
**B65B 11/28** (2006.01); **B65B 19/22** (2006.01); **B65B 19/28** (2006.01); **B65B 35/26** (2006.01); **B65B 35/46** (2006.01); **B65B 57/04** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP)  
**B65B 11/28** (2013.01); **B65B 19/223** (2013.01); **B65B 19/28** (2013.01); **B65B 35/26** (2013.01); **B65B 35/46** (2013.01); **B65B 57/04** (2013.01); **B65B 61/20** (2013.01)

Citation (search report)  
[X1] US 3735767 A 19730529 - KRUSE F, et al

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