

Title (en)

System and method for synchronizing the rotating motions of elementary parts of a plant for processing of containers

Title (de)

System und Verfahren zur Synchronisierung von Drehbewegungen elementarer Teile einer Anlage zur Verarbeitung von Behältern

Title (fr)

Système et procédé pour synchroniser les mouvements de rotation des pièces élémentaires d'une installation de traitement de récipients

Publication

EP 2735538 A1 20140528 (EN)

Application

EP 12425187 A 20121122

Priority

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Abstract (en)

A synchronization system (20), for a plant (1) having at least a first (2) and a second (4) rotating parts cooperating in the processing of containers (3), the first (2) and second (4) rotating parts being driven in a respective rotating motion around a respective rotation axis (A, B) by independent first (6) and second (8) electric motors; the synchronization system (1) is provided with: a first position sensor (7) coupled to the first rotating part (2) to measure a rotating position thereof around the respective rotation axis and generate a position information signal (P 1); and a control processing unit (29) coupled to the second rotating part (4) to control the second electric motor (8) thereof, based on the position information signal (P 1) received from the first position sensor (7), thereby tracking the rotating motion of the first rotating part (2). A single digital coupling bus (26) is envisaged to couple the first (2) and second (4) rotating parts and transfer the position information signal (P 1) to the control processing unit (29).

IPC 8 full level

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CPC (source: EP)

B67C 3/007 (2013.01); **B67C 7/0013** (2013.01); **B67C 2003/227** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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