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(54) Title (EN): MOTOR CONTROL APPARATUS, MOTOR CONTROL METHOD, MOTOR SYSTEM, AND COMPUTER-READABLE MEDIUM

(54) Title (FR): DISPOSITIF DE COMMANDE DE MOTEUR, PROCÉDÉ DE COMMANDE DE MOTEUR, SYSTÈME DE MOTEUR ET SUPPORT POUVANT ÊTRE LU PAR ORDINATEUR

(54) Title (JA): モータ制御装置、モータ制御方法、モータシステム及びコンピュータ可読媒体

(57) Abstract:

(EN): A motor control apparatus that controls the rotation angle of a motor (111), which drives a rotating body (112), is provided with: a synchronizing means (200) for generating and outputting interruption signals (700) on the basis of an external reference signal (600) to be inputted from outside, and a rotating-body reference signal (500) to be generated by the rotating body; and a controlling means (300) for calculating a command value for making the rotation angle of the motor follow-up a target rotation angle, each time the interruption signal is inputted, and outputting the command value to the motor. The synchronizing means (200) changes the output cycle of the interruption signal (700) according to the time difference between the external reference signal (600) and the rotating-body reference signal (500).

(FR): L'invention concerne un dispositif de commande de moteur qui commande l'angle de rotation d'un moteur (111) entraînant un corps rotatif (112), lequel dispositif comprend: un moyen de synchronisation (200) conçu pour générer et produire des signaux d'interruption (700) sur la base d'un signal de référence externe (600) devant être entré depuis l'extérieur, et un signal de référence (500) de corps rotatif devant être généré par le corps rotatif; et un moyen de commande (300) pour calculer une valeur de commande permettant à l'angle de rotation du moteur de suivre un angle de rotation cible, à chaque fois que le signal d'interruption

est entré, et pour produire la valeur de commande pour le moteur. Le moyen de synchronisation (200) modifie le cycle de sortie du signal d'interruption (700) en fonction de la différence temporelle entre le signal de référence externe (600) et le signal de référence (500) du corps rotatif.

(JA): モータ制御装置は、回転体(112)を駆動するモータ(111)の回転角度を制御するモータ制御装置であつて、外部から入力される外部基準信号(600)と回転体が生成する回転体基準信号(500)とに基づき割込信号(700)を生成して出力する同期化手段(200)と、割込信号が入力されるごとに、モータの回転角度を目標回転角度に追従させるための指令値を演算してモータへ出力する制御手段(300)と、を備る。ここで、同期化手段(200)は、外部基準信号(600)と回転体基準信号(500)との時間差に応じて割込信号(700)の出力周期を変更する。

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