

Title (en)
DRUG-DOSING DEVICE

Title (de)
ARZNEIMITTELDOSIERVORRICHTUNG

Title (fr)
DISPOSITIF DOSEUR DE MÉDICAMENTS

Publication
EP 4011349 A1 20220615 (EN)

Application
EP 19797763 A 20190809

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Abstract (en)
The present invention relates to an intelligent medicinal product dosing device configured for allowing a pharmacist, but not the patient, to access an inner storage area. By means of accessing the inside of the device after authentication, the pharmacist is in charge of refilling the inner storage area with the medicinal products prescribed by a physician, and in an operative mode, the device dispenses the medicinal products to the patient at the appropriate time, as it has the chronopharmacology of the medicinal products incorporated therein with the prescribed dose. The device is characterized by a specific internal structure with components that allow managing which medicinal products are dispensed and at what time. Specific embodiments of the invention allow increasing the functionalities of the device, such as expanding the storage capacity, notifying the patient who must be authenticated, being integrated in a web platform in which at least the actions of the patient, the pharmacist, and the physician, or the control of the biological rhythm of people are coordinated. The warning system is suitable for the elderly. The dosing device has a closure system that can only be manipulated by the pharmacist to prevent medication errors among senior citizens or their caregivers. The dosing device systematically dispenses the medication corresponding to a given time and removes it in the event of a memory lapse, preventing it from being taken together with the next dose, eliminating interactions and toxicities. Furthermore, it has pharmaceutical care integrated therein.

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