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(54) Title (EN): ANTI-WIND CRAWLER DRIVING WHEEL WITH TRACK BLOCKS

(54) Title (FR): ROUE-CHENILLE MOTRICE ANTI-VENT AYANT DES PATINS DE CHENILLE

(54) Title (ZH): 一种带齿轮的防缠绕履带驱动轮

(57) Abstract:

(EN): An anti-wind crawler driving wheel with track blocks, comprising sharp corners (1), a shell (2), a side plate (3), a trigger hole (6), a clamp square hole (8), a baffle sleeve (9), a transition rod (10), an inner baffle (11), a trigger rod (12), a snap board (14), a spring (17), a trigger gear (20), a one-way gear (21), and crawler chains (32), wherein the crawler chains (32) are connected by means of rotating shafts (19) to form a crawler belt, sharp corners (1) of the shell are clamped into chain inclined planes (34) of the crawler chains (32) to drive the crawler belt to rotate; the retaining sleeve (9), the inner baffle (11), and the side baffle (31) cover spaces among the sharp corners (1) of the shell and adjacent sharp corners, and the phenomenon that the crawler wheel loses efficacy due to the fact that weed or entanglements are wound around the sharp corners of the driving wheels generally can be avoided; the passibility of the crawler wheel is improved.

(FR): L'invention concerne une roue-chenille motrice anti-vent, ayant des patins de chenille, qui comprend des coins aigus (1), une coque (2), une plaque latérale (3), un trou de déclenchement (6), un trou carré de serrage (8), un manchon de déflecteur (9), une tige de transition (10), un déflecteur interne (11), une tige de déclenchement (12), un panneau d'encliquetage (14), un ressort (17), un engrenage de déclenchement (20), un engrenage unidirectionnel (21) et des chaînes de chenille (32), les chaînes de chenille (32) étant reliées au moyen d'arbres rotatifs (19) pour former une courroie de chenille, les coins aigus (1) de la coque étant serrés dans des plans inclinés de chaîne (34) des chaînes de chenille (32) pour entraîner la courroie de chenille en rotation; le manchon de retenue (9), le déflecteur interne (11) et le déflecteur latéral (31) recouvrent des espaces parmi les coins aigus (1) de la coque et des coins aigus adjacents, et le phénomène selon lequel la roue-chenille perd de l'efficacité en raison du fait que des mauvaises herbes ou des enchevêtrements sont enroulés autour des coins aigus des roues motrices peut généralement être évité; l'aptitude au passage de la roue-chenille est améliorée.

(ZH): 一种带齿轮的防缠绕履带驱动轮,包括尖角(1)、壳体(2)、侧板(3)、触发孔(6)、卡方孔(8)、挡板套(9)、过渡杆(10)、挡内板(11)、触发杆(12)、卡板(14)、弹簧(17)、触发齿轮(20)、单向齿轮(21)、履带链条(32),其中履带由履带链条(32)通过转轴(19)连接在一起,壳体尖角(1)卡入履带链条(32)的链条斜面(34)进而带动履带旋转,壳体尖角(1)与相邻尖角之间通过挡板套(9)、挡内板(11)和侧顶板(31)遮盖,防止杂草或者可缠绕物缠绕驱动轮上的尖角而引起履带轮的失效,提高履带轮的可通过性。

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))