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(54) Title (EN): CABLE STOPPER STRUCTURE AND IMAGE FORMING APPARATUS

(54) Title (FR): STRUCTURE D'ARRÊT DE CÂBLE ET APPAREIL DE FORMATION D'IMAGE

(54) Title (JA): ケーブルストップ構造及び画像形成装置

(57) Abstract:

(EN): Provided are a cable stopper structure and an image forming apparatus with which it is possible, when pulling out a cable, to prevent problems such as the cable becoming detached, using a simple configuration. The cable stopper structure is provided with: a cable (60) arranged along a first path (K1) and a second path (K2) which is connected to an entrance (E1) of the first path and has a ceiling height (H2) higher than that of the first path; a first component (first connector (25)) which is arranged in the first path and to which one end (first terminal (71)) of the cable is connected; and a second component (second connector (35)) which

is arranged near an exit (E2) of the first path, to which the other end (second terminal (72)) of the cable is connected, and which is detachable in a direction (front direction (F)) away from the first component. The cable is provided with a folding-back part (second folding-back part (U2)) folded back in the second path, and with, at a position between the folding-back part and the first component, a rigid part (50) which has a rigidity higher than that of the cable and of which the length in a cable pulling direction (N) is longer than that of a ceiling height (H1) of the first path.

(FR): La présente invention porte sur une structure d'arrêt de câble et sur un appareil de formation d'image avec lesquels il est possible, lors du retrait d'un câble, d'empêcher des problèmes tels que le détachement du câble, à l'aide d'une configuration simple. La structure d'arrêt de câble comprend : un câble (60) disposé le long d'un premier trajet (K1) et d'un second trajet (K2) qui est relié à une entrée (E1) du premier trajet et présente une hauteur de plafond (H2) supérieure à celle du premier trajet; un premier composant (un premier connecteur (25)) qui est disposé dans le premier trajet et auquel une extrémité (une première borne (71)) du câble est reliée; et un second composant (un second connecteur (35)) qui est disposé à proximité d'une sortie (E2) du premier trajet, auquel l'autre extrémité (une seconde borne (72)) du câble est reliée, et qui peut être détaché dans une direction (la direction avant (F)) à l'opposé du premier composant. Le câble comporte une partie de repli (une seconde partie de repli (U2)) repliée dans le second trajet, et, à une position entre la partie de repli et le premier composant, une partie rigide (50) qui présente une rigidité supérieure à celle du câble et dont la longueur dans une direction de traction de câble (N) est supérieure à celle d'une hauteur de plafond (H1) du premier trajet.

(JA): ケーブルを引き出す際に、簡単な構成で、ケーブルが外れる等の不具合を防ぐことが可能なケーブルストッパ構造及び画像形成装置を提供する。第1通路(K1)と、第1通路の入口(E1)につながる、第1通路より高い天井高(H2)の第2通路(K2)と、に亘って配置されるケーブル(60)と、第1通路に配置される、ケーブルの一方の端部(第1端子(71))が接続される第1部品(第1コネクタ(25))と、第1通路の出口(E2)の近傍に配置される、ケーブルの他方の端部(第2端子(72))が接続される、第1部品から遠ざかる方向(前方向(F))に取り外し可能である第2部品(第2コネクタ(35))と、を備え、ケーブルは、第2通路で折り返される折返部(第2折返部(U2))と、折返部から、第1部品に到る間の位置に、ケーブルより剛性があり、かつ、ケーブルの引出方向(N)の長さが、第1通路の天井高(H1)より長い剛性部(50)と、を備える。

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