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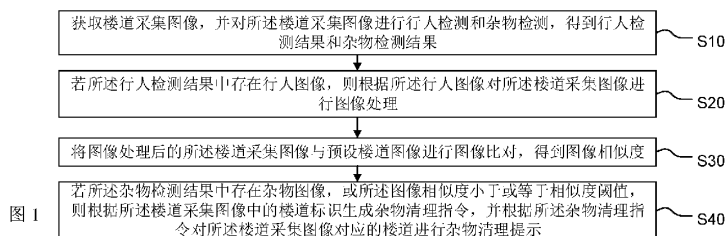
(71) 申请人: 平安科技(深圳)有限公司(PING AN TECHNOLOGY (SHENZHEN) CO., LTD.) [CN/CN];
中国广东省深圳市福田区福田街道福安社区益田路 5033 号平安金融中心 23 楼, Guangdong 518000 (CN)。

(72) 发明人: 郭倜颖(GUO, Tiying); 中国广东省深圳市福田区福田街道福安社区益田路 5033 号平安金融中心 23 楼, Guangdong 518000 (CN)。 刘伟超(LIU, Weichao); 中国广东省深圳市福田区福田街道福安社区益田路 5033 号平安金融中心 23 楼, Guangdong 518000 (CN)。 芦文峰(LU, Wenfeng); 中国广东省深圳市福田区福田街道福安社区益田路 5033 号平安金融中心 23 楼, Guangdong 518000 (CN)。 陈远旭(CHEN, Yuanxu); 中国广东省深圳市福田区福田街道福安社区益田路 5033 号平安金融中心 23 楼, Guangdong 518000 (CN)。

(74) 代理人: 深圳中一联合知识产权代理有限公司(SHENZHEN ZHONGYI UNION INTELLECTUAL PROPERTY AGENCY CO., LTD.); 中国广东省深

(54) Title: CORRIDOR SUNDRIES DETECTION METHOD AND APPARATUS, AND TERMINAL DEVICE AND STORAGE MEDIUM

(54) 发明名称: 楼道杂物检测方法、装置、终端设备及存储介质



S10 ACQUIRE A CORRIDOR COLLECTION IMAGE, AND PERFORM PEDESTRIAN DETECTION AND SUNDRIES DETECTION ON THE CORRIDOR COLLECTION IMAGE, SO AS TO OBTAIN A PEDESTRIAN DETECTION RESULT AND A SUNDRIES DETECTION RESULT

S20 IF A PEDESTRIAN IMAGE IS PRESENT IN THE PEDESTRIAN DETECTION RESULT, PERFORM IMAGE PROCESSING ON THE CORRIDOR COLLECTION IMAGE ACCORDING TO THE PEDESTRIAN IMAGE

S30 PERFORM IMAGE COMPARISON ON THE CORRIDOR COLLECTION IMAGE THAT HAS BEEN SUBJECTED TO IMAGE PROCESSING AND A PRESET CORRIDOR IMAGE, SO AS TO OBTAIN THE IMAGE SIMILARITY

S40 IF A SUNDRIES IMAGE IS PRESENT IN THE SUNDRIES DETECTION RESULT, OR THE IMAGE SIMILARITY IS LESS THAN OR EQUAL TO A SIMILARITY THRESHOLD VALUE, GENERATE A SUNDRIES CLEARING INSTRUCTION ACCORDING TO A CORRIDOR IDENTIFIER IN THE CORRIDOR COLLECTION IMAGE, AND ACCORDING TO THE SUNDRIES CLEARING INSTRUCTION, GIVE A SUNDRIES CLEARING PROMPT REGARDING A CORRIDOR CORRESPONDING TO THE CORRIDOR COLLECTION IMAGE

(57) Abstract: A corridor sundries detection method and apparatus, and a terminal device and a storage medium. The method comprises: acquiring a corridor collection image, and performing pedestrian detection and sundries detection on the corridor collection image, so as to obtain a pedestrian detection result and a sundries detection result (S10); if a pedestrian image is present in the pedestrian detection result, performing image processing on the corridor collection image (S20); performing image comparison on the corridor collection image that has been subjected to image processing and a preset corridor image, so as to obtain the image similarity (S30);

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圳市福田区园岭街道深南中路1014号报春大厦9楼（5号信箱），Guangdong 518028 (CN)。

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and if a sundries image is present in the sundries detection result, or the image similarity is less than or equal to a similarity threshold value, generating a sundries clearing instruction according to a corridor identifier in the corridor collection image, and giving a sundries clearing prompt according to the sundries clearing instruction (S40). By means of the present invention, whether sundries are present in a corridor corresponding to a corridor collection image can be automatically determined at all times, and the detection of corridor sundries is performed without needing to use a manual detection means, thereby improving the detection efficiency of corridor sundries.

(57) 摘要：一种楼道杂物检测方法、装置、终端设备及存储介质，该方法包括：获取楼道采集图像，并对所述楼道采集图像进行行人检测和杂物检测，得到行人检测结果和杂物检测结果（S10）；若行人检测结果中存在行人图像，则对楼道采集图像进行图像处理（S20）；将图像处理后的楼道采集图像与预设楼道图像进行图像比对，得到图像相似度（S30）；若杂物检测结果显示存在杂物图像，或图像相似度小于或等于相似度阈值，则根据楼道采集图像中的楼道标识生成杂物清理指令，根据杂物清理指令进行杂物清理提示（S40）。能全天候自动判断楼道采集图像对应的楼道中是否存在杂物，无需采用人工检测的方式进行楼道杂物的检测，提高了楼道杂物检测效率。