Technical Disclosure Commons

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AN ANTI-THEFT SOLUTION TO PREVENT HIGH CONFIDENTIAL DOCUMENT TO BE STOLEN BY SCANNING

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An anti-theft solution to prevent high confidential document to be stolen by scanning

Overview

High confidential technology and data is critical to a company, most of these documents' original are controlled, but there is no solution to prevent employee to scan or copy the document, this leak gives the technology spy a chance to copy or scan the top confidential document, stolen copy will threaten the original company's operation, this solution will inspect the scanning document's sensitive word to decide whether the scanning image is confidential or could to be scanned , if the FW detect the sensitive word, FW will cancel this copy or scan action, and will record copy or scan information(such like scanning image, scanning time and user information) , and will trigger company security system there has an confidential leakage case, make sure company realize the leakage case and run the confidential inspection if possible.

Novel Point

This disclosure is to make use of the CIS or CCD to scanning the target, by looking for the sensitive word to judge the target is whether permit to be scanned or to be forbidden, this idea has three novels:

1. The sensitive word could be personalized by the company, as different companies' definition on sensitive word is quite different, the companies need to input the "sensitive words" to be the word stock for the FW to inspecting the scanning target.
2. This function is running isn't visual, hidden and which has high ratio to capture the confidential infringement successfully.
3. This confidential document detecting system is connecting with the company security alert system, could report the confidential leakage case in time and save many information to track the leaks.

How it works

This solution includes two parts, one part is to define the key words or sensitive words in the control panel; every company has their own confidential definition, their confidential category and their own confidential definition,

control panel has a button to let the company to key in the sensitive word, such like "high confidential", "top confidential";

The other part is the sensitive word inspection part, by make use of Scanner scanning Function, target information will be transferred to be comparable with stored sensitive words, if the compared result is same, system will pop out information in the control panel to notify the user he or she required is forbidden, and system will store the scanning image into share folder and trigger a signal to the confidential document management system , to notify the management team this unsuccessful copy or scan action.
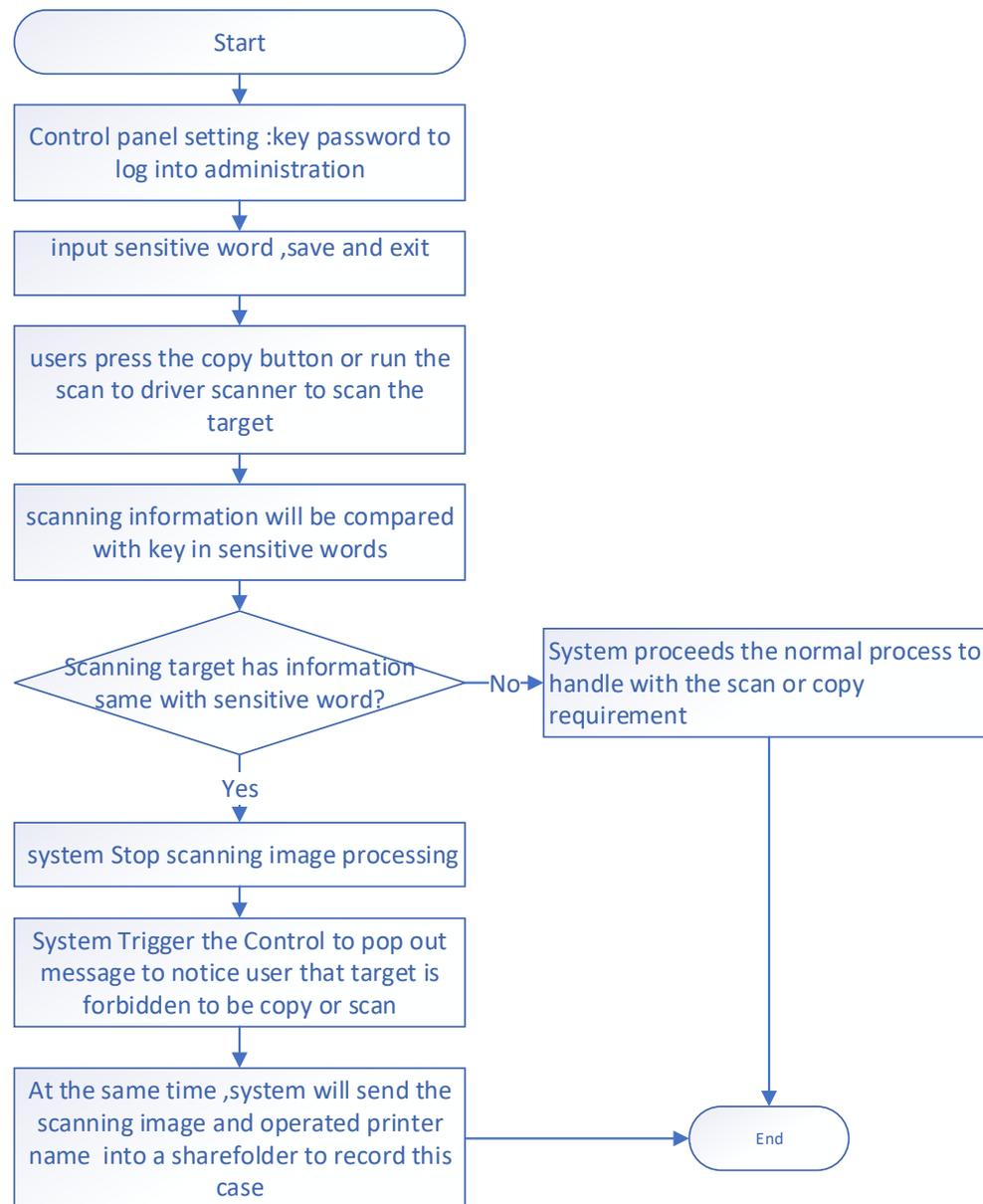
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