解決年長者的遺失物件的機制

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摘 要

隨著人口趨勢的走向，許多國家也漸漸邁向高齡化社會，很多產品在設計方面也越來越人性化，但是在高齡年長者方面的產品設計較仍然較少，面對高齡化的社會，許多產品在設計方面也開始考量高齡年長者的需求。年長者退化主要分為兩大問題：第一是感知能力退化、第二是生理機能退化。本研究主要探討感知能力退化所造成的記憶力問題，由於記憶能力退化讓年長者經常會遺忘常用隨身的物品，例如：眼鏡、鑰匙、皮包…等等。 本研究利用系統化創新方法—TRIZ理論，藉由TRIZ理論的系統化分析過程配合KJ法與心智圖來解決年長者尋找遺失物件的問題。首先將TRIZ理論應用在產品設計方面，利用KJ法將核心主題討論出來，再利用心智圖與使用CREAX功能分析圖的手法解決並且分析產品在設計方面的問題，使用逆向成型把所設計的產品做出實體。本研究的尋找器利用超高頻當作接收與傳輸訊號的一種媒介，而且把原先超高頻電動門鈴做顯著的改裝，以原本的4.5V電池修改為兩個1.5V的水銀電池，所以基座、電池與線路皆有所改變。改變的結果會使得形狀大幅縮小，為了能夠讓使用者外出攜帶方便，如鑰匙、錢包如果遺失的話則使用發射器讓接收器產生訊號則可以找回遺失物品。

關鍵詞 : TRIZ理論、KJ法、心智圖、功能分析圖

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