Title of Article: A Covert Kidnapping Alert and Location Identifier (CKALI)

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Abstract: Kidnapping is the taking away or transportation of a person against that person's will, usually to hold the person in false imprisonment and confinement without legal authority. This paper reports a complete research work in kidnapping emergency alert situations. The authors were able to program a microcontroller incorporating a trigger activated GSM/GPS module to report via the GSM communication network (using SMS messaging) to a monitoring center, giving the exact position of the point where the kidnapping took place, and the route taken by the kidnappers and the victim. All the components are miniaturized using advanced very large scale integration techniques, and embedded in a belt which can be worn as a regular clothing accessory. This device (CKALI) will allow fast response and rescue of kidnapped victims; thereby saving lives and money. The paper reports its experimental results, and gives appropriate conclusions and recommendations.