

Development of a multi functional, rapid deployable Barrier

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Abstract:

Barriers are playing an important role as one tool for the de-escalation of situations like civil war riots or demonstrations disturbed by hooligans. They are used to separate groups from each other or to deny access to sensitive areas. Another field of application is the use as stationary component of buildings like sport arenas or music halls. Today's barrier systems are heavy and immobile and therefore are only used to protect stationary objects like camps or warehouses. They cannot be used in riots occurring during peace keeping operations, where the situation is changing very fast.

The development of a multi functional, rapid deployable barrier is described. The barrier consists of telescoping pillars, which can be connected with nets or impenetrable, inflammable cloth. The pillars can be ejected by hydraulic means or by pyrotechnic gas generator depending on the application. The advantage of this system is the light weight and the easy deployment, which enables the security forces to react fast, efficient and adequate on the development of the situation. The pillars could be also equipped with other non lethal weapons e.g. pepper spray to repel aggressive elements, who want to destroy the barrier. Additionally new sensor systems for the detection of persons will be tested. The demonstrator will be available at the NLW conference.