CLAIMS

1. A reactive protection arrangement for protecting stationary or mobile objects (1) against threats (3) posed by hollow charges, projectile-forming charges or kinetic energy penetrators, which is or can be secured at a distance to the side of the object (1) to be protected that faces the threat (3), comprising at least one protective area (4) arranged at an inclination angle (2) relative to the threat direction,

wherein said protective area (4) comprises:

a front cover (5) that faces the threat (3),

a rear cover (9, 10) that faces away from the threat (3) and is spaced apart from said front cover (5), said rear cover (9, 10) comprises a bulging arrangement (10), and

at least one fixed or movable reactive middle layer (11) between said front cover (5) and said rear cover (9, 10), and

wherein said at least one reactive middle layer (11) comprises a plurality of reactive partial areas (4A) each having at least one explosive field (7),
wherein said reactive partial areas (4A) of said at least one reactive middle layer (11) are plugged on all sides, and

wherein said front cover (5) is configured to continuously extend over said at least one reactive middle layer (11), such that, when a reactive partial area (4A) of said at least one reactive middle layer is detonated, a partial area (5D) corresponding to the size of the detonated reactive partial area (4A) is

formed out of said front cover (5) and is accelerated to interact with the threat (3).

2. The protection arrangement according to claim 1, characterized in that
said bulging arrangement (10) of said rear cover is configured to continuously extend over a plurality of reactive partial areas (4A) of said at least one reactive middle layer (11).

3. The protection arrangement according to anyone of preceding claims,
characterized in that
said reactive partial areas (4A) of said at least one reactive middle layer (11) are laterally plugged by means of separating layers (8).

4. The protection arrangement according to anyone of the preceding claims,
characterized in that
said at least one reactive middle layer (11) is provided with a cover layer (11A, 11B) on one or both sides.

5. The protection arrangement according to anyone of the preceding claims,
characterized in that
said reactive partial areas (4A) of said at least one reactive middle layer (11) comprise at least two plies of explosive fields (7A, 7B) plugged laterally on all sides.

6. The protection arrangement according to claim 5,
characterized in that
an intermediate layer (16) is arranged between said explosive fields (7A, 7B) of two plies of said reactive partial areas (4A).

CLAIMS

1. A reactive protection arrangement for protecting stationary or mobile objects (1) against threats (3) posed by hollow charges, projectile-forming charges or kinetic energy penetrators, which is or can be secured at a distance to the side of the object (1) to be protected that faces the threat (3), comprising at least one protective area (4) arranged at an inclination angle (2) relative to the threat direction,
wherein said protective area (4) comprises:
a front cover (5) that faces the threat (3),
a rear cover (9, 10) that faces away from the threat (3) and is spaced apart from said front cover (5), said rear cover (9, 10) comprises a bulging arrangement (10), and
at least one fixed or movable reactive middle layer (11) between said front cover (5) and said rear cover (9, 10), and
wherein said at least one reactive middle layer (11) comprises a plurality of reactive partial areas (4A) each consisting of at least one explosive field (7),
wherein said reactive partial areas (4A) of said at least one reactive middle layer (11) are plugged on all sides, and
wherein said front cover (5) is configured to continuously extend over said at least one reactive middle layer (11), such that, when a reactive partial area (4A) of said at least one reactive middle layer is detonated, a partial area (5D) corresponding to the size of the detonated reactive partial area (4A) is stamped out of said front cover (5) and is accelerated to interact with said threat (3).

2. The protection arrangement according to claim 1, characterized in that
said bulging arrangement (10) of said rear cover is configured to continuously extend over a plurality of reactive partial areas (4A) of said at least one reactive middle layer (11).

3. The protection arrangement according to anyone of preceding claims,
characterized in that
said reactive partial areas (4A) of said at least one reactive middle layer (11) are laterally plugged by means of separating layers (8).

4. The protection arrangement according to anyone of the preceding claims,
characterized in that
said at least one reactive middle layer (11) is provided with a cover layer (11A, 11B) on one or both sides.

5. The protection arrangement according to anyone of the preceding claims,
characterized in that
said reactive partial areas (4A) of said at least one reactive middle layer (11) comprise at least two plies of explosive fields (7A, 7B) plugged laterally on all sides.

6. The protection arrangement according to claim 5, characterized in that
an intermediate layer (16) is arranged between said explosive fields (7A, 7B) of two plies of said reactive partial areas (4A).