

MULTIPLE TURRET DIRCM SYSTEM AND RELATED METHOD OF OPERATION
ABSTRACT

Disclosed herein is a method of operation of a DIRCM system
5 (2) for protecting a platform (4) against IR-guided
missiles (5), wherein said DIRCM system (2) comprises a
plurality of DIRCM subsystems (21,22) operable to track and
jam IR-guided missiles (5); and wherein the DIRCM
subsystems comprise a first DIRCM subsystem (21) and a
10 second DIRCM subsystem (22), that are installed on the
platform (4) so that: said first DIRCM subsystem (21) is
operable to track and jam IR-guided missiles (5) in a first
coverage region; said second DIRCM subsystem (22) is
operable to track and jam IR-guided missiles (5) in a
15 second coverage region; and both said first and second
DIRCM subsystems (21,22) are operable to track and jam IR-
guided missiles (5) in an overlap region, which includes a
first handover sub-region adjacent to the first coverage
region and a second handover sub-region adjacent to the
20 second coverage region. The method comprises: if a first
missile (5) is in the first coverage region, carrying out a
first tracking and jamming operation including tracking and
jamming said first missile (5) by the first DIRCM subsystem
(21); if the first missile (5) moves from the first
25 coverage region to the overlap region, carrying out a first
overlap operation including keeping carrying out the first
tracking and jamming operation, and starting tracking said
first missile (5) also by the second DIRCM subsystem (22);
if the first missile (5) in the overlap region enters the
30 second handover sub-region, carrying out a first handover
operation including keeping tracking said first missile (5)
by the second DIRCM subsystem (22), starting jamming said
first missile (5) by said second DIRCM subsystem (22), and
stopping carrying out the first tracking and jamming
35 operation.

Figures 2,4