

Title (en)  
Dual mode seeker

Title (de)  
Bimodaler Sucher

Title (fr)  
Chercheur bi-mode

Publication  
**EP 2957854 A1 20151223 (EN)**

Application  
**EP 14425074 A 20140617**

Priority  
EP 14425074 A 20140617

Abstract (en)  
The present invention relates to a dual mode seeker (10) for a missile (1), a missile (1) comprising such dual mode seeker (10) and a method for assembling a dual mode seeker (10) for a missile (1). The dual mode seeker (10) comprises a first sensing system (11) configured to detect a target, a second sensing system (12) configured to detect a target, and a space envelope (13) configured to be arranged in a missile's nose (2). The first sensing system (11) comprises an active radar transmitter and a radar receiver. The second sensing system (12) comprises a passive optical detector. The space envelope (13) comprises a first channel (14) and a second channel (15) arranged adjacent to each other in a seeker's radial direction. The first sensing system (11) is arranged in the first channel (14) and the second sensing system (12) is arranged in the second channel (15) of the space envelope (13).

IPC 8 full level  
**F41G 7/00** (2006.01); **F41G 7/22** (2006.01)

CPC (source: EP)  
**F41G 7/008** (2013.01); **F41G 7/2246** (2013.01); **F41G 7/2253** (2013.01); **F41G 7/226** (2013.01); **F41G 7/2286** (2013.01); **F41G 7/2293** (2013.01)

Citation (applicant)  
US 4085910 A 19780425 - BAKER WILLIAM G, et al

Citation (search report)  
• [X] EP 0482353 A2 19920429 - BODENSEEWERK GERAETETECH [DE]  
• [XA] FR 2716966 A1 19950908 - THOMSON CSF [FR]  
• [XA] US 2012002049 A1 20120105 - FRY JAMES A [US], et al  
• [XA] US 2012111992 A1 20120510 - FRY JAMES A [US]  
• [A] FR 2944593 A1 20101022 - SAGEM DEFENSE SECURITE [FR]

Cited by  
DE102017011407A1; US2021262764A1; CN105783593A; EP3495762A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2957854 A1 20151223**

DOCDB simple family (application)  
**EP 14425074 A 20140617**