



US 20130093625A1

(19) **United States**

(12) **Patent Application Publication**
Smith

(10) **Pub. No.: US 2013/0093625 A1**

(43) **Pub. Date: Apr. 18, 2013**

(54) **DEPLOYABLE INTELLIGENCE AND TRACKING SYSTEM FOR HOMELAND SECURITY AND SEARCH AND RESCUE**

(76) Inventor: **Alexander E. Smith**, McLean, VA (US)

(21) Appl. No.: **11/649,350**

(22) Filed: **Jan. 3, 2007**

No. 6,806,829, which is a continuation of application No. 09/516,215, filed on Feb. 29, 2000, now Pat. No. 6,633,259, said application No. 10/743,042 is a continuation-in-part of application No. 10/319,725, filed on Dec. 16, 2002, now Pat. No. 6,812,890.

(60) Provisional application No. 60/123,170, filed on Mar. 5, 1999, provisional application No. 60/440,618, filed on Jan. 17, 2003.

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/492,711, filed on Jul. 25, 2006, now Pat. No. 7,429,950, Continuation-in-part of application No. 11/429,926, filed on May 8, 2006, now Pat. No. 7,477,193, Continuation-in-part of application No. 11/343,079, filed on Jan. 30, 2006, now Pat. No. 7,375,683, Continuation-in-part of application No. 11/342,289, filed on Jan. 28, 2006, now Pat. No. 7,576,695, Continuation-in-part of application No. 11/209,030, filed on Aug. 22, 2005, now Pat. No. 7,248,219, Continuation-in-part of application No. 11/257,416, filed on Oct. 24, 2005, now Pat. No. 7,495,612, Continuation-in-part of application No. 11/203,823, filed on Aug. 15, 2005, now Pat. No. 7,739,167, Continuation-in-part of application No. 11/145,170, filed on Jun. 6, 2005, now Pat. No. 7,437,250, which is a continuation-in-part of application No. 10/743,042, filed on Dec. 23, 2003, now Pat. No. 7,132,982, which is a continuation-in-part of application No. 10/638,524, filed on Aug. 12, 2003, now Pat.

Publication Classification

(51) **Int. Cl.**
G01S 1/30 (2006.01)
(52) **U.S. Cl.**
CPC **G01S 1/30** (2013.01)
USPC **342/387**

(57) **ABSTRACT**

This invention builds on previous industry techniques to correlate data from a variety of sources for the purposes of tracking and identifying aircraft, vehicles, and marine vessels in real time over a variety of different areas including oceans and mountainous terrain. Passive broadband tracking of aircraft emitters, and electronic fingerprinting of emitters, correlated with audio, video, infrared, primary radar and other information is employed to provide a comprehensive assessment of an aircraft's position, track and identification for a variety of applications including homeland security and search and rescue.

