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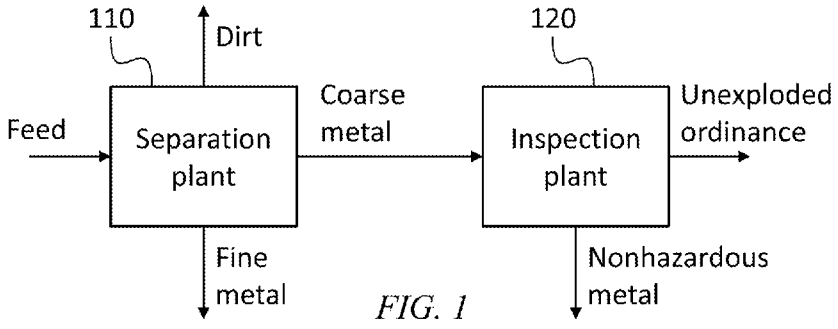


FIG. 1

(57) Abstract: A system for eliminating unexploded ordnance from a mixture. The system includes a separation plant, including a crusher, a magnetic separation station, and a screen plant. The crusher reduces the size of pieces in the mixture, the magnetic separator separates pieces containing a significant amount of ferrous metal, and the screen separates small pieces from larger pieces. The fine output of the screen is composed of pieces that are sufficiently small to pose little hazard; they may be further subjected to heat treatment. Large pieces containing ferrous metal, or large pieces containing nonferrous metal, may be explosive and are transported, using an unmanned machine, to an inspection plant where they are sorted and where any unexploded ordnance is identified and disposed of. The separation plant is sufficiently distant from the inspection plant that an explosion at the separation plant does not pose a hazard to personnel at the inspection plant.

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
See Search History Document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
See Search History Document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y --- A	US 2009/0084710 A1 (AMAN) 02 April 2009 (02.04.2009), Fig 1, 2; para [0011], [0013], [0017], [0028]-[0040]	1-9, 13, 15, 16, 19 --- 10-12, 14, 17, 18
Y --- A	Department of the Army, 'Ammunition and Explosives Safety Standards.' Department of the Army, Pamphlet 385-64, 15 December 1999 (15.12.1999), pg 40, 42, 50, 191 [online] URL=<http://uxoinfo.com/blogcfc/client/enclosures/pam385_64.pdf>	1-9, 13, 15, 16, 19 --- 10-12, 14, 17, 18
A	US 2008/0314802 A1 (TUITE) 25 December 2008 (25.12.2008), para [0002], [0021], [0025]	14
A	US 6,136,590 A (KRUSE) 24 October 2000 (24.10.2000), entire document	1-19

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