

**Reference Number: 025418/0072**

## **Title of the Invention**

A MINE DETECTION VEHICLE

## **Invention**

The purpose of the invention is to create an airbag minesweeper, in which the mines under the ground are detected unmanned and by recording the location information. A mine sweeping vehicle having an arm mechanism and a detector, which is integrated to the arm mechanism and which scans the underground by an orbital movement, is disclosed. The mine sweeping vehicle comprises at least one data recording element that delivers the position information of the mines, which are detected by the detector, provided by a positioning system to a display element. The invention relates to air cushion minesweepers, which are used to detect the location of mines under the ground, especially in the defense industry.

## **Advantages**

The propellers are configured to rotate so that the vehicle turns. Thus, the minesweeper can turn right and left. It comprises a secondary fan group that is positioned opposite each other and has fans so as to ensure the rotation of the vehicle. Thus, a reverse thrust is provided against the minesweeper to turn left and right and to slide sideways on sloping terrain. It comprises at least one sensor that provides a signal to the secondary fan group. Thus, sensors that provide a signal to activate the secondary fan group are provided. It comprises a marking element connected to the first arm and leaving a mark on the ground indicating the location of the mine according to a signal provided from the data recording element. Thus, the detected location of the mines is visibly marked on the ground.

## **Current Status**

ABD: Registered

TURKEY: Pending

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## Keywords

Mine Detection, Hovercraft, Airbag

**TRL: 2**

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