CLAIMS

1. An radio frequency identification (RFID) security tape comprising:

a layer of tamper-evident tape;

a layer of an RFID inlay;

a blocking layer;

a layer of metal foil having an adhesive bottom surface; and

a layer of a release liner,

wherein all layers of the RFID security tape are in adhesive connection with each other and wherein the layer of the RFID inlay is configured to be damaged when the RFID security tape has been applied to an asset and the layer of tamper-evident tape is subsequently removed from the asset;

the RFID security tape further comprising a first separation layer provided between the layer of tamper-evident tape and the layer of the RFID inlay, the first separation layer being in adhesive connection with the layer of tamper-evident tape and with the layer of the RFID inlay, wherein the first separation layer is made of a fibrous material that will tear and thereby enhance damage to the RFID inlay when the RFID security tape has been applied to an asset and the layer of tamper-evident tape is subsequently removed from the asset.

2. The RFID security tape of claim 1, wherein a bottom surface of the tamper-evident tape is in adhesive connection with a top surface of the layer of the RFID inlay, a bottom surface of the layer of the RFID inlay is in adhesive connection with a top surface of the blocking layer, a bottom surface of the blocking layer is in adhesive connection with a top surface of the layer of metal foil, the adhesive bottom surface of the layer of metal foil is in releasable adhesive connection with the release liner, and at least part of the tamper-evident tape is in releasable adhesive connection with the release liner.

3. The RFID security tape of claim 1 or claim 2, further comprising a second separation layer provided between the first separation layer and the layer of the RFID inlay, the second separation layer being in adhesive connection with the first separation layer and with the layer of the RFID inlay.

4. The RFID security tape of claim 3, wherein the second separation layer is made of a fibrous material.

5. The RFID security tape of any one of the preceding claims, wherein the adhesive connection is achieved by providing an adhesive layer between adjacent layers of the RFID security tape.

6. The RFID security tape of any one of the preceding claims, wherein the blocking layer is provided to prevent the metal foil from interfering with signals to and from the RFID inlay.

7. The RFID security tape of any one of the preceding claims, wherein the blocking layer is made of a polymeric foam.

8. The RFID security tape of any one of the preceding claims, wherein the adhesive bottom surface of the layer of metal foil is formed by providing a bottom adhesive layer on a bottom surface of the layer of metal foil.