CLAIMS

1. A wheelset RFID tag unit configured to be attached to a wheelset of a railcar, the wheelset RFID tag unit comprising:

a RFID tag; and

an attaching member on which the RFID tag is mounted and which is configured to be attached to the wheelset, wherein:

at least a portion of the attaching member which portion faces the RFID tag is made of a non-metal material; and

the attaching member is interposed between the RFID tag and the wheelset.

2. The wheelset RFID tag unit according to claim 1, wherein:

an axle of the wheelset is a hollow axle including a hollow space that is open on an end surface of the axle; and

the attaching member is a resin plug which closes an opening of the end surface of the axle.

3. The wheelset RFID tag unit according to claim 1, wherein:

a groove is formed on an inner peripheral surface of a rim portion of a wheel of the wheelset; and

the attaching member is a soundproof ring which is fitted in the groove of the wheelset and is made of an elastic material.

4. The wheelset RFID tag unit according to claim 1, wherein:

a lift hole is formed on a circular plate portion of a wheel of the wheelset; and

the attaching member is a resin plug which closes the lift hole of the wheel.

5. The railcar wheelset RFID tag unit according to claim 1, wherein the attaching member is a substantially ring-shaped member fitted to a peripheral surface of the wheelset, the peripheral surface extending around an axis of the wheelset.

6. A railcar wheelset RFID tag unit configured to be attached to a wheelset of a railcar, the railcar wheelset RFID tag unit comprising:

a RFID tag; and

an attaching member on which the RFID tag is mounted and which is configured to be attached to the wheelset, wherein

the attaching member includes a portion which supports the RFID tag from a radially outer side of the wheelset against centrifugal force.

7. The railcar wheelset RFID tag unit according to claim 6, wherein the attaching member is a substantially ring-shaped member fitted to a peripheral surface of the wheelset, the peripheral surface extending around an axis of the wheelset.

8. The railcar wheelset RFID tag unit according to claim 7, wherein:

an attaching surface of the attaching member has a cylindrical shape about the axis of the wheelset; and

the attaching surface of the attaching member is configured to be attached to an attached surface of the peripheral surface of the wheelset, the attached surface being perpendicular to a radial direction of the wheelset.

~~9. A wheelset RFID tag unit configured to be attached to a wheelset of a railcar, the wheelset RFID tag unit comprising:~~

~~a RFID tag; and~~

~~a circular-arc attaching surface configured to be attached to a peripheral surface of the wheelset, the peripheral surface extending around an axis of the wheelset.~~