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ABSTRACT

**PACKAGING STRAP COIL AND METHOD FOR PRODUCING THE SAME,
5 PACKAGING STRAP COIL UNIT AND PACKAGING MACHINE EQUIPPED
WITH STRAP COIL REEL**

The present invention relates to: a packaging strap coil and its pro-
duction method, wherein the innermost strap end is securely fixed to prevent
10 unwinding thereof and the strap can be smoothly drawn out to the innermost
end for strap-packaging of an item; a packaging strap coil unit which prevents
deformation of the strap coil; and a packaging machine. The strap coil 11
comprises a number of layers of a resin packaging strap 11a wound helically
and corelessly around a hollow 11b defining the axis of the strap coil 11. The
15 strap 11a is made of a thermoplastic resin at least on its external surface. In
the strap coil 11, a plurality of perforations 11d are pierced in the vicinity of an
innermost end of the strap 11a through to a plurality of laminated layers.
Each perforation 11d provides a melt-bonded area 11e along its periphery to
bond the laminated layers of the strap 11a together.

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(Fig. 2)