

CONTACTLESS INFORMATION MEDIUM, BOBBIN MEMBER FOR
CONTACTLESS INFORMATION MEDIUM, BODY MEMBER FOR CONTACTLESS
INFORMATION MEDIUM, AND METHOD FOR PRODUCING CONTACTLESS
INFORMATION MEDIUM

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ABSTRACT

A contactless information medium and the like which
can be easily produced are provided, each of the
10 contactless information media being able to communicate
with a communication device even when the plurality of
contactless information media is piled up. The contactless
information medium includes: a body forming an outer shape
of the contactless information medium; an IC chip 14 housed
15 in the body; and a coil antenna which is formed of a string
of conductive wire 15, both ends of the conductive wire 15
being connected to the IC chip 14, and which includes a
main arrangement pattern provided along a closed curve C
and a plurality of sub-arrangement patterns, each of which
20 has a smaller diameter than the main arrangement pattern.
The contactless information medium further includes a
plurality of bobbins 13b which is provided in the body and
arranged along the closed curve C, the string of conductive
wire 15 being wound around the plurality of bobbins along
25 the closed curve C to form the main arrangement pattern,
the string of conductive wire 15 being wound around each of
the bobbins to form the sub-arrangement patterns.

FIG. 5A