

**LOW POWER, ADDRESSABLE DATA COMMUNICATION DEVICE
AND METHOD**

ABSTRACT OF THE DISCLOSURE

5 An electronic tag (10) receives a data message (18)
that has a wake-up section (20) followed by a session
section (22). The interrogation signal which carries the
data message encodes the wake-up section (20) differently
10 from the session section (22). A power manager (28)
decodes the wake-up section (20) using a very low power
decoder (34) that remains energized during a standby
state. When the power manager (28) detects a
predetermined identification code (26), it controls a
switching circuit (32) to energize a controller (30). The
15 controller (30) may then decode, process, and respond to
information conveyed during the session section (22). If
the power manager (28) does not detect the identification
code (26), the controller (30) remains de-energized. The
power manager (28) also includes a synchronizer (38) which
20 determines when a preamble (24) is detected, and an ID
decoder (40) that determines when the wake-up section (20)
conveys the predetermined identification code (26).

FIG. 1 accompanies this abstract.

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