

Title (en)

LPRF DEVICE WAKE UP USING WIRELESS TAG

Title (de)

LPRF-EINRICHTUNGS-AUFWECKEN MIT DRAHTLOSEM TAG

Title (fr)

ACTIVATION DE DISPOSITIF LPRF AU MOYEN D'UNE TIQUETTE SANS FIL

Publication

EP 1510023 A4 20100414 (EN)

Application

EP 03753022 A 20030514

Priority

- US 0314987 W 20030514
- US 38019502 P 20020514
- US 38067002 P 20020516

Abstract (en)

[origin: WO03098851A1] A wireless transceiver (5008) includes a low power radio frequency (LPRF) component (5010) that powers down to conserve energy and powers up in response to a signal; and a second receiver (5014) that provides the signal via line (5018) in response to receipt of a radio frequency broadcast. The broadcast is targeted to activate particular transceivers by including in the broadcast identifications such as class designations, in which case the transceivers power up and form networks. A transceiver may include one or more identifications and may include a unique identification of the transceiver itself. The LPRF component is a Bluetooth radio, but the overall transceiver itself only draws about 10 to 15µA while actively waiting and screening for a targeted broadcast.

IPC 1-7

H04J 1/10; H04M 3/00; H04B 17/00; H04B 7/00

IPC 8 full level

G06K 7/00 (2006.01); **H04B 1/04** (2006.01); **H04B 1/16** (2006.01); **H04B 1/38** (2006.01); **H04B 7/00** (2006.01); **H04L 12/28** (2006.01); **H04L 12/56** (2006.01); **H04M 1/00** (2006.01); **G06K 17/00** (2006.01)

CPC (source: EP)

G06K 7/0008 (2013.01); **G06K 7/10079** (2013.01); **H04B 1/04** (2013.01); **H04W 52/0229** (2013.01); **H04W 84/18** (2013.01); **Y02D 30/70** (2020.08)

Citation (search report)

- [XII] US 5790946 A 19980804 - ROTZOLL ROBERT R [US]
- [XII] EP 0601820 A1 19940615 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- See references of WO 03098851A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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