

Title (en)

Method for controlling connection of a peripheral to an access point, corresponding access point and peripheral

Title (de)

Verfahren zur Steuerung der Verbindung eines Peripheriegeräts mit einem Zugangspunkt, entsprechender Zugangspunkt und Peripheriegerät

Title (fr)

Procédé de contrôle de la connexion d'un périphérique à un point d'accès, point d'accès et périphérique correspondants

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Application

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Priority

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Abstract (en)

[origin: WO2006125885A1] The invention concerns a method for controlling connection of a peripheral (T) to an access point (AP) in shared network. It consists in pre-initializing (A) the access point through a local command of that access point, the pre-initializing step enabling at least the access point to be configured to provisionally match the peripheral, simultaneously initializing (B) the access point (AP) and the peripheral (T) through a substantially concurrent local command of the access point respectively of the peripheral, locally measuring and storing the initializing duration (T_{ap}), (T_T) of each local command at the access point respectively at the peripheral, and, following provisional matching of the access point and the peripheral, transmitting and receiving (C_o), at least from the peripheral to the access point, the value of the stored initializing duration (T_T) and comparing (C₁) by equality comparison, the value of the locally measured initializing duration with the received initializing duration. If the received initializing duration (T_{Tr}) is substantially equal to the locally measured initializing duration (T_{ap}), the peripheral being accepted as recognized connection requesting peripheral, the follow-up of the peripheral connection is authorized by invoking (D) a permanent matching procedure. Otherwise, the connection follow-up is inhibited (E) at the access point. The invention is useful for managing control of connection of peripherals to an access point in shared network such as WIFI, Bluetooth, online Powerline Communication or the like.

IPC 8 full level

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