Claims

1. Method for identifying network services (210 - 230) in a network (300) having at least one host which provides each network service with a network service identifier (12), and with at least one Internet-of-Things network subscriber in the form of at least one Internet-of-Things sensor/actuator and/or wireless sender/receiver (100) based on domain name system service discovery DNS-SD via a multicast domain name system mDNS, having the steps:

transmitting a domain name system service discovery DNS-SD compliant request (1) for a network service type (11) from an Internet-of-Things network subscriber (100, 210, 220, 230) to the network (300) having the at least one host that provides network services;

receiving at least one domain name system service discovery DNS-SD compliant response (2, 3) from one of the hosts (210 - 230) to the request (1),

wherein the response (2, 3) comprises a text field (TXT) having a network service identifier (12) of the network service corresponding to the requested network service type, and

transmitting a connection request (4) from the Internet-of-Things network subscriber (100) to the host (210 - 230) to which the network service identifier (12) in the response is assigned and which provides the desired network service,

substantially freely selecting an identifier for the at least one network service by a user when setting up a system,

wherein the network service identifier in the text field (TXT) corresponds to an identifier of the associated network service on the application layer,

an addressing of the Internet-of-Things network subscribers (100) and/or the hosts (210 - 230) are addressed based on IPv6 link local addresses such that the Internet-of-Things network subscriber (100) and/or the hosts (210 – 230) can allocate or assign IP addresses themselves.

2. Method for identifying network services (210 - 230) in a network (300) according to Claim 1, wherein

address information of the searched for host, which comprises a network name (13) and a port number (14) of the host (210 - 230), is not known to the requesting network subscriber in advance.

3. Method for identifying network services (210 - 230) in a network (300) according to Claim 1 or 2, wherein

the multicast domain name system mDNS is a wide-area mDNS.

4. Method for identifying network services (210 - 230) in a network (300) according to any one of Claims 1 to 3, wherein

the host (210, 220, 230) can represent one of the Internet-of-Things network subscribers (100).