



US 20240214373A1

(19) **United States**

(12) **Patent Application Publication**
Wheeler et al.

(10) **Pub. No.: US 2024/0214373 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **ESTABLISHING A TRUST RELATIONSHIP
BETWEEN A PERIPHERAL DEVICE AND A
SERVER**

(52) **U.S. Cl.**
CPC **H04L 63/083** (2013.01)

(71) Applicant: **Logitech Europe S.A.**, Lausanne (CH)

(57) **ABSTRACT**

(72) Inventors: **Stephen Wheeler**, Ottawa (CA);
Laurent Gillet, Grandvaux (CH); **Marc
Viredaz**, Villaraboud (CH); **Nabil
Hamzi**, Lausanne (CH); **Xavier Caine**,
San Jose, CA (US)

A method of authorizing a computer mouse to perform a particular action may include receiving, by a network device, a request associated with a particular action to be performed by a computer mouse. The request may be digitally signed using a private device key of the computer mouse. The method may include validating, by the network device, the digitally signed request using a public device key previously provided by the computer mouse. The method may include generating a response to the request. The response may indicate whether the computer mouse is authorized to perform the particular action associated with the trusted request. The method may include sending the response to a client device associated with the computer mouse.

(21) Appl. No.: **18/088,276**

(22) Filed: **Dec. 23, 2022**

Publication Classification

(51) **Int. Cl.**
H04L 9/40 (2006.01)

