

Title (en)

A LOCAL COMPUTING CLOUD THAT IS INTERACTIVE WITH A PUBLIC COMPUTING CLOUD

Title (de)

LOKALE COMPUTERWOLKE, DIE MIT EINER ÖFFENTLICHEN COMPUTERWOLKE INTERAKTIVE IST

Title (fr)

NUAGE INFORMATIQUE LOCAL QUI EST INTERACTIF AVEC UN NUAGE INFORMATIQUE PUBLIC

Publication

**EP 4133695 A1 20230215 (EN)**

Application

**EP 21785519 A 20210406**

Priority

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- US 2021025943 W 20210406

Abstract (en)

[origin: WO2021207191A1] A home computing system (cloud) integrates a protocols gateway, WiFi router, cloud server, and mass storage device to support one or more Internet of Things (IoT) devices, possibly with different connectively protocols, in a local environment such as a residential home. The home computing cloud often reduces the amount of data traffic sent to a public computing cloud by locally processing collected device data rather than by sending the device data to the public computer cloud for processing. The home computing cloud may download an appropriate data analytic model from the public computing cloud, locally train (for example, reinforcement learning) the model, and locally execute the trained model to obtain prediction information from collected IoT device data. The home computing cloud also allows direct access of the connected IoT devices by user applications via the internet, through a protocols gateway and an IoT message translator.

IPC 8 full level

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CPC (source: EP)

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