

Title (en)
STACKABLE AND ROAD-TRANSPORTABLE MICRO MODULAR HOUSE

Title (de)
STAPELBARES UND STRASSENTTRANSPORTFÄHIGES MIKRO-MODULHAUS

Title (fr)
MICRO-MAISON MODULAIRE EMPILABLE ET TRANSPORTABLE SUR ROUTE

Publication
EP 4370758 A1 20240522 (DE)

Application
EP 22743811 A 20220708

Priority
• CH 0700522021 A 20210714
• CH 5662022 A 20220511
• EP 2022069038 W 20220708

Abstract (en)
[origin: WO2023285301A1] The micro modular house measures at most 3 meters in width and between 6 and 12 meters in length on the outside, and its inner room height is at least 2.30 m. A special feature of said house is that it is road-transportable, i.e. it is transportable at any time and anywhere where an open road leads, without a special permit for oversized transport. Said house has a shell (18) which extends around on all sides and consists of a layered structure that is continuous except for windows and doors and that consists of thermally insulated composite boards or laminated boards, for the floors, the walls and the ceiling, while the windows (16, 17) are produced by frames of plastics material, wood, aluminium or combinations thereof and enclose double-glazed or triple-glazed laminated glass. The end face (16) forms a window front over the entire surface, such that a thermally conductive part does not pass through the shell (18) from the inside to the outside at any point and said shell overall provides a thermal transmittance U of at least 0.18 W/m²K. An inherently stable steel space frame extends within this shell (18) and in parallel with all of its outer edges so as to be completely integrated in said shell. The micro modular house can be lifted by the four upper corners of this steel space frame.

IPC 8 full level
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