

# Quick House<sup>®</sup>

BUILDING SOLUTIONS

## PATENTES AMERICANAS

1) SISTEMA CONSTRUTIVO ( STEELPANEL )

2) MAQUINAS DE FABRICAÇÃO



**SteelPanel** 

The  
United  
States  
of  
America



# UNITED STATES PATENT

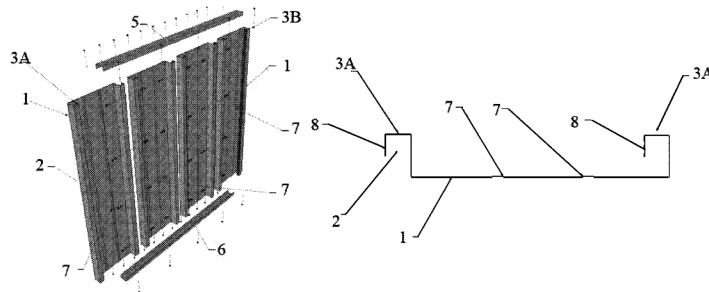
Granted on December 28, 2021

## Luciano Simoes Lopes Quick House

INVENTORS

11,208,807

CONSTRUCTIVE ARRANGEMENT  
INTRODUCED IN MODULE FOR PANELS  
INTENDED FOR THE CONSTRUCTION OF  
PREFABRICATED BUILDINGS



A constructive arrangement introduced in module for panels intended to the construction of prefabricated buildings. The modules for the construction of prefabricated buildings, having the objective of facilitating the handling and portability of each module; as well as increasing the structural strength of the module, and, consequently, of the panels composed of such modules. The constructive arrangement comprises of a module consisting of a galvanized metal sheet, folded at the ends, configuring characteristic profiles in the shape of an open socket, and a closed socket, capable of configuring panels by conjoining the modules screwed together and grouped by the upper and lower profiles, characterized by having stiffening ribs near the central portion of the sheets, and stiffening ribs near the profiles.

*The Director of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law. Therefore, this*

### United States Patent

*Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America for the term of this patent, subject to the payment of maintenance fees as provided by law.*

  
Interim Director of the U.S. Patent and Trademark Office

The  
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# UNITED STATES PATENT

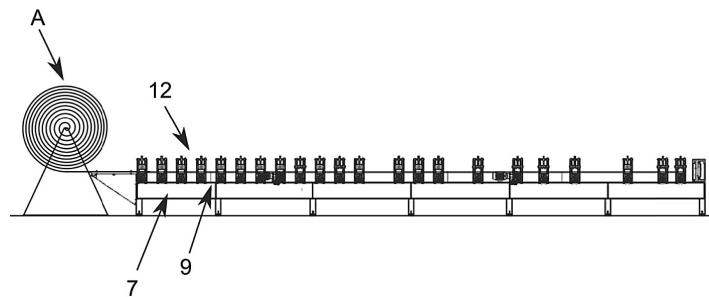
Granted on November 12, 2024

## Luciano Simoes Lopes Quick House

INVENTORS

12,139,911

METHOD OF MAKING METAL  
PANELS FOR BUILDINGS



A method of making a metal frame that will be used to make metal panels that will be used to fabricate modular metal buildings. Currently, the metal frames are manufactured through forming processes, however, the steps adopted end up generating greater difficulty in the conformation of the metal sheet, and, consequently, increase in the manufacturing time; as well as, they cannot achieve a higher degree of quality, which reduces the added value of the metal frame and can lead to greater difficulty of assembly, lower productivity and higher labor cost. The ideal method, comprises of modular plates (1) that are formed by galvanized sheet frames (2), which are manufactured by the method with 22 forming steps through a roll forming machine (7) with profiling rolls (9) with specific frames (10), and each step has a roll (9) and a set of support rollers (12) for each forming step.

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*Katherine Kelly Vidal*  
Director of the United States Patent and Trademark Office