

Title (en)
CONSTRUCTION OF THE SEGMENTAL FENCE AND METHOD OF ITS ASSEMBLY

Title (de)
ZAUNKONSTRUKTION UND MONTAGEVERFAHREN

Title (fr)
CLÔTURE ET PROCÉDÉE DE CONSTRUCTION DE LADITE CLÔTURE

Publication
EP 3940174 B1 20230329 (EN)

Application
EP 21180339 A 20210618

Priority
LT 2020531 A 20200619

Abstract (en)
[origin: EP3940174A1] The present invention discloses a system and a method of assembling a fence segment of a profiled sheet material (e.g., sheet metal). The fence segment (1) consists of a set of horizontal crossbars (4) made of profiled sheet metal, the folding cross-sectional shape of which is optional. In addition, the fence segment (1) comprises connecting elements (5) for securing the rigid horizontal crossbars (4) between two vertical trough-shaped profiles (6) attached to the vertical poles (3) of the fence. Horizontal crossbars (4) can have different shapes of the sheet metal profile, selected according to the desired fence design and functionality (visibility, sunlight transmission, etc.). The assembled fence segment (1) is resistant to climatic and mechanical effects, such as sudden changes in temperature, humidity, or wind. The method of assembling and disassembling the fence segments is efficient and simple, it does not require special tools and skills during assembly, and the assembly process can be performed by one person.

IPC 8 full level
E04H 17/14 (2006.01)

CPC (source: EP)
E04H 17/1452 (2021.01); **E04H 17/1456** (2021.01)

Cited by
CN115653392A; CN115680373A; CN114396200A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3940174 A1 20220119; EP 3940174 B1 20230329; LT 2020531 A 20210412; LT 6822 B 20210610; PL 3940174 T3 20230911

DOCDB simple family (application)
EP 21180339 A 20210618; LT 2020531 A 20200619; PL 21180339 T 20210618