

Title (en)

Vertical frame for frames with open-top profile as upper horizontal strut

Title (de)

Vertikalrahmen für Gerüste mit oben offenem Profil als oberer Horizontalstrebe

Title (fr)

Cadre vertical pour structures dotées d'un profil ouvert en haut comme entretoise horizontale supérieure

Publication

EP 2161391 A3 20131106 (DE)

Application

EP 09169626 A 20090907

Priority

DE 102008045795 A 20080905

Abstract (en)

[origin: EP2161391A2] The vertical frame (1) has a hollow profile shaped vertical post (2), where vertical posts connection units are provided for vertical connection of multiple vertical frames at lower and upper end areas (3,4). An upper horizontal rod (5) is formed as upper open profile, particularly v-shaped or u-shaped profile. A pipe material is made of steel, and has a thickness of 2.5 to 2.7 millimeter.

IPC 8 full level

E04G 1/14 (2006.01); **E04G 1/15** (2006.01)

CPC (source: EP)

E04G 1/14 (2013.01); **E04G 1/15** (2013.01)

Citation (search report)

- [XYI] AT 413123 B 20051115 - KRAUS ANDREAS [AT], et al
- [XI] DE 1904734 U 19641119 - BETONBAU G M B H [DE]
- [Y] EP 0268197 A2 19880525 - GRUND GERHARD

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2161391 A2 20100310; EP 2161391 A3 20131106; EP 2161391 B1 20161102; DE 102008045795 A1 20100318; PL 2161391 T3 20170731

DOCDB simple family (application)

EP 09169626 A 20090907; DE 102008045795 A 20080905; PL 09169626 T 20090907