

Title (en)
TRANSFORMER TERMINAL

Title (de)
TRANSFORMATORKLEMMEN

Title (fr)
BORNE DE TRANSFORMATEUR

Publication
EP 3959780 B1 20240221 (DE)

Application
EP 20721400 A 20200408

Priority
• DE 202019102309 U 20190424
• DE 2020100288 W 20200408

Abstract (en)
[origin: WO2020216407A1] The invention relates to a transformer terminal comprising: an insulating housing which has an integrally designed main body (1) and a cover (2) which can be detachably mounted on the main body (1); a mounting device which is formed on the insulating housing and is designed to mount the insulating housing on a transformer; a first electrical conductor connection (4) for a first potential, comprising a first electrical connection assembly (8) having a first bus bar (8a); a first spring-force clamping connection which is formed on the first bus bar (8a) and is designed to clamp a first conductor for electrical connection to the first bus bar (8a); and a first winding wire connection (8c) for electrically connecting a first winding wire of the transformer to the bus bar (8a), the first winding wire connection (8c) being integrally moulded on the first bus bar (8a); and a second electrical conductor connection (5) for a second potential, which is different from the first potential, the first and second electrical conductor connections (4, 5) being electrically insulated from one another, the second electrical conductor connection comprising a second electrical connection assembly (9) having a second bus bar (9a); a second spring-force clamping connection (9b) which is formed on the second bus bar (9a) and is designed to clamp a second conductor for electrical connection to the second bus bar (9a); and a second winding wire connection (9c) for electrically connecting a second winding wire (9c) of the transformer to the bus bar (9a), the second winding wire connection (9c) being integrally moulded on the second bus bar (9a). The first electrical connection assembly (8) is arranged in a first installation space which is formed on the main body (1) in the region of a lateral face and has a first mounting opening toward said lateral face, and the second electrical connection assembly (9) is arranged in a second installation space (10b) which is formed on the main body (1) in the region of an opposite lateral face and has a second mounting opening (19b) toward said lateral face, the second installation space being separated from the first installation space.

IPC 8 full level
H01R 4/48 (2006.01); **H01R 4/02** (2006.01); **H01R 9/26** (2006.01); **H01R 13/516** (2006.01); **H01R 31/08** (2006.01)

CPC (source: EP US)
H01R 4/023 (2013.01 - US); **H01R 4/48** (2013.01 - US); **H01R 4/485** (2023.08 - EP US); **H01R 9/2658** (2013.01 - US); **H01R 11/05** (2013.01 - EP); **H01R 13/518** (2013.01 - US); **H01F 27/2828** (2013.01 - EP); **H01R 4/023** (2013.01 - EP); **H01R 4/4821** (2023.08 - EP US); **H01R 4/484** (2023.08 - EP US); **H01R 9/24** (2013.01 - EP); **H01R 31/08** (2013.01 - EP)

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)
DE 202019102309 U1 20200729; CN 113728516 A 20211130; CN 113728516 B 20240702; EP 3959780 A1 20220302; EP 3959780 B1 20240221; JP 2022529849 A 20220624; JP 7503572 B2 20240620; US 12040579 B2 20240716; US 2022247095 A1 20220804; WO 2020216407 A1 20201029

DOCDB simple family (application)
DE 202019102309 U 20190424; CN 202080030322 A 20200408; DE 2020100288 W 20200408; EP 20721400 A 20200408; JP 2021563346 A 20200408; US 202017605638 A 20200408