

Title (en)
REINFORCED CONCRETE COMPONENT REINFORCED WITH Z-SHAPED SHEET METAL PIECES

Title (de)
STAHLBETONBAUTEIL MIT BEWEHRUNG AUS Z-FÖRMIGEN BLECHTEILEN

Title (fr)
ÉLÉMENT DE BÉTON ARMÉ À ARMATURE FORMÉE D'ÉLÉMENTS DE TÔLE EN Z

Publication
EP 2459812 B1 20160106 (DE)

Application
EP 10734737 A 20100719

Priority
• DE 102009035799 A 20090731
• DE 102009056830 A 20091205
• EP 2010060384 W 20100719

Abstract (en)
[origin: WO2011012480A1] The invention relates to a reinforced concrete component (1) comprising at least one upper (Bo) and at least one lower longitudinal reinforcement layer (Bu), and a transverse force reinforcement (0), wherein said transverse reinforcement is guided in the extension thereof over the uppermost (Bo) and lowermost (Bu) longitudinal reinforcement, the transverse force reinforcement (0) being formed from at least 20 trapezoidal or triangular sheet metal pieces made of construction steel. Each sheet metal piece has one chamfer (41, 42) on each of the two ends thereof. Said chamfer is directed up to the uppermost (Bo) or the lowermost (Bu) longitudinal reinforcement.

IPC 8 full level
E04C 5/06 (2006.01); **E04C 5/16** (2006.01)

CPC (source: EP US)
E04C 5/0645 (2013.01 - EP US); **E04C 5/166** (2013.01 - EP US); **E04C 5/168** (2013.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009056830 A1 20110203; DE 202009018537 U1 20111220; DK 2459812 T3 20160321; EP 2459812 A1 20120606;
EP 2459812 B1 20160106; ES 2565333 T3 20160404; JP 2013501168 A 20130110; PL 2459812 T3 20160630; US 2012167519 A1 20120705;
US 8650828 B2 20140218; WO 2011012480 A1 20110203

DOCDB simple family (application)
DE 102009056830 A 20091205; DE 202009018537 U 20091205; DK 10734737 T 20100719; EP 10734737 A 20100719;
EP 2010060384 W 20100719; ES 10734737 T 20100719; JP 2012522098 A 20100719; PL 10734737 T 20100719;
US 201013387594 A 20100719