

Title (en)  
COLUMN SHOE

Title (de)  
PFAHLSCHUH

Title (fr)  
LARDOIRE D' UN PIEU

Publication  
**EP 3020867 A1 20160518 (EN)**

Application  
**EP 15192502 A 20151102**

Priority  
FI 20145996 A 20141113

Abstract (en)  
Column shoe (1) for attaching concrete columns to a foundation or to another concrete column, said column shoe (1) comprising a bolt casing (2) with an open side, said bolt casing (2) comprising a side plate (5) forming the side of the bolt casing (2), said side plate (5) comprising an opening (11) for attaching a nut, a bottom plate (3) forming the bottom of the bolt casing (2), said bottom plate (3) comprising a bolt hole (10), and a top plate (4) forming the top of the bolt casing (2). The column shoe (1) further comprises at least one main bond means (6) attached to bolt casing (2) for attaching the column shoe (1) and the concrete column to each other. The column shoe (1) additionally comprises at least one horizontal back bond means (8) attached to the outer surface of the side plate (5) at two points (9). The part of the horizontal back bond means (8) between the attachment points (9) is located at a distance from the side plate (5). The column shoe (1) comprises a vertical back bond means (7) attached to the horizontal back bond means (8) between the attachment points (9) so that the vertical back bond means (7) is located between the horizontal back bond means (8) and the side plate (5).

IPC 8 full level  
**E02D 5/72** (2006.01)

CPC (source: EP FI)  
**E02D 5/72** (2013.01 - EP); **E04B 1/215** (2013.01 - FI); **E04B 1/41** (2013.01 - FI)

Citation (search report)  
• [A] WO 2007074212 A1 20070705 - PEIKKO FINLAND OY [FI], et al  
• [A] EP 1405957 A1 20040407 - TARTUNTAMARKKINOINTI OY [FI]

Cited by  
CN114127366A; AU2020312760B2; WO2021009409A1

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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DOCDB simple family (application)  
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