

Title (en)
COLUMN HAVING SUPPORTING DEVICES FOR INTERNAL COLUMN FITTINGS

Title (de)
KOLONNE MIT TRAGEINRICHTUNGEN FÜR KOLONNENEINBAUTEN

Title (fr)
COLONNE À DISPOSITIFS DE SUPPORT POUR ÉLÉMENTS INTERNES

Publication
EP 2498890 A1 20120919 (DE)

Application
EP 10779466 A 20101104

Priority
• DE 102009052650 A 20091110
• EP 2010006732 W 20101104

Abstract (en)
[origin: CA2780447A1] The invention relates to a column (1) having supporting devices for internal column fittings, the supporting devices having load-introducing elements fixed to the column inner wall, e.g. formed as peripheral supporting rings (3) or supporting brackets, and crossbeams (4), which are supported from below by the load-introducing elements, for supporting the internal column fittings. In order to minimize the size of the crossbeams (4), vertical supporting beams (5) which support the crossbeams (4) are provided within the column (1).

IPC 8 full level
B01D 3/32 (2006.01); **B01J 19/32** (2006.01)

CPC (source: EP US)
B01D 3/32 (2013.01 - EP US); **B01D 3/324** (2013.01 - EP US); **B01J 19/325** (2013.01 - EP US)

Citation (search report)
See references of WO 2011057740A1

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 102009052650 A1 20110512; AU 2010318354 A1 20120503; CA 2780447 A1 20110519; EP 2498890 A1 20120919;
US 2012256331 A1 20121011; WO 2011057740 A1 20110519; ZA 201202862 B 20121227

DOCDB simple family (application)
DE 102009052650 A 20091110; AU 2010318354 A 20101104; CA 2780447 A 20101104; EP 10779466 A 20101104;
EP 2010006732 W 20101104; US 201013508813 A 20101104; ZA 201202862 A 20120418