

Title (en)  
TAPER-WALL RISER WITH TAB CONNECTORS

Title (de)  
KONIKWANDSTEIGER MIT FLACHSTECKERN

Title (fr)  
COLONNE MONTANTE À PAROI CONIQUE À RACCORDS À LANGUETTE

Publication  
**EP 3417116 A4 20200226 (EN)**

Application  
**EP 17753709 A 20170214**

Priority  
• US 201662295408 P 20160215  
• US 2017017835 W 20170214

Abstract (en)  
[origin: WO2017142878A1] A plastic article useful as a riser assembly (18) for a septic tank or as part of another structure is comprised of a multiplicity of identical shape conical wall plastic risers (20). The risers are attached to each other at joints (42, 142) by respective tabs (26, 36) which engage respective rim segments (22, 38). Each end of the riser has alternating tabs and rim segments. A riser assembly wall 30 undulates in the lengthwise direction. The risers nest within each other for shipment or storage. A safety grating (60) having hinged arms (62) sets within the interior of a riser (20). An adapter (70) enables attachment of a riser (20) to a tank (75).

IPC 8 full level  
**E02D 29/12** (2006.01); **B65D 90/10** (2006.01); **E03F 5/02** (2006.01); **F16L 37/08** (2006.01)

CPC (source: EP)  
**E02D 29/121** (2013.01); **E02D 29/124** (2013.01); **E03F 5/024** (2013.01); **E03F 5/10** (2013.01); **B65D 90/105** (2013.01); **E03F 2005/028** (2013.01)

Citation (search report)  
• [XAI] US 2013336723 A1 20131219 - MCKINNEY JERRY L [US], et al  
• [A] CA 1011572 A 19770607 - HALL ALFRED G, et al  
• See also references of WO 2017142878A1

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)  
**WO 2017142878 A1 20170824**; EP 3417116 A1 20181226; EP 3417116 A4 20200226

DOCDB simple family (application)  
**US 2017017835 W 20170214**; EP 17753709 A 20170214