

Title (en)  
CONTAINER, PRODUCED FROM A HELICALLY BENT SHEET METAL STRIP AND METHOD FOR PRODUCING A CONTAINER OF THIS TYPE

Title (de)  
BEHÄLTER, HERGESTELLT AUS EINEM WENDELFÖRMIGEN GEBOGENEN BLECHBAND UND VERFAHREN ZUR HERSTELLUNG EINES DERARTIGEN BEHÄLTERS

Title (fr)  
CONTENANT PRODUIT À PARTIR D'UNE BANDE DE TÔLE COURBÉE DE MANIÈRE HÉLICOÏDALE ET PROCÉDÉ POUR PRODUIRE UN TEL CONTENANT

Publication  
**EP 3969690 A1 20220323 (DE)**

Application  
**EP 20730563 A 20200506**

Priority  
• DE 102019003445 A 20190516  
• DE 2020000091 W 20200506

Abstract (en)  
[origin: WO2020228878A1] The invention relates to a cylindrical container (10), in particular a silo, for storing solids and/or liquids and/or gases and/or bulk materials or similar, produced from a helically bent, continuously overlapping sheet metal strip (20) forming a wall arranged in a cylindrical plane, wherein the upper and lower sheet metal strip edges arranged overlapping adjoining one another one another are connected to one another all around in a sealing manner at a continuous helical joint, characterised in that the wall of the container (10) consists of multiple sheet metal strips (20, 30, 40) arranged directly next to one another, i.e. in the cylindrical plane and parallel thereto.

IPC 8 full level  
**E04H 7/06** (2006.01); **B21C 37/12** (2006.01); **B65D 88/08** (2006.01); **B65D 90/02** (2019.01); **B65D 90/08** (2006.01)

CPC (source: CN EP)  
**B21C 37/122** (2013.01 - CN EP); **B65D 88/08** (2013.01 - CN EP); **B65D 90/029** (2013.01 - CN EP); **B65D 90/08** (2013.01 - CN EP); **E04H 7/06** (2013.01 - CN 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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**DE 102019003445 A1 20201119**; CN 113840785 A 20211224; CN 113840785 B 20240326; DE 112020002435 A5 20220310; EP 3969690 A1 20220323; EP 3969690 B1 20240131; EP 3969690 C0 20240131; WO 2020228878 A1 20201119

DOCDB simple family (application)  
**DE 102019003445 A 20190516**; CN 202080037116 A 20200506; DE 112020002435 T 20200506; DE 2020000091 W 20200506; EP 20730563 A 20200506