

Title (en)
NANOCOMPOSITE VESSELS

Title (de)
NANOKOMPOSITGEFÄSSE

Title (fr)
RÉCIPIENTS NANOCOMPOSITES

Publication
EP 3022024 A2 20160525 (EN)

Application
EP 14826218 A 20140718

Priority
• US 201361847823 P 20130718
• US 2014047300 W 20140718

Abstract (en)
[origin: WO2015010090A2] This invention provides a seamless nanocomposite vessel, which includes a high density polymer adapted into the shape of a desired vessel, the vessel having an inner surface sputtered with a metal and an outer surface, the inner surface defining a space; and a plurality of layers disposed over the inner surface of the vessel, the outer surface of the vessel, or both, each layer being independently selected from the group consisting of a thermoplastic material and a thermoset nanocomposite material. Methods for making and using such vessels also are provided.

IPC 8 full level
B28B 7/36 (2006.01); **B29D 22/00** (2006.01); **B32B 15/08** (2006.01); **B32B 27/08** (2006.01)

CPC (source: EP)
B32B 5/26 (2013.01); **B32B 27/12** (2013.01); **B60K 15/03006** (2013.01); **B60K 15/03177** (2013.01); **B32B 2255/02** (2013.01); **B32B 2307/3065** (2013.01); **B60K 2015/03032** (2013.01); **B60K 2015/03046** (2013.01)

Citation (search report)
See references of WO 2015010090A2

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)
WO 2015010090 A2 20150122; WO 2015010090 A3 20151126; EP 3022024 A2 20160525

DOCDB simple family (application)
US 2014047300 W 20140718; EP 14826218 A 20140718