

Title (en)
AN INTEGRATED HOLLOW FABRIC STRUCTURE

Title (de)
INTEGRIERTE HOHLGEWEBESTRUKTUR

Title (fr)
STRUCTURE DE TISSU CREUSE INTÉGRÉE

Publication
EP 2686472 A1 20140122 (EN)

Application
EP 11860840 A 20110316

Priority
US 2011028681 W 20110316

Abstract (en)
[origin: WO2012125164A1] In one aspect of the invention, an integrated hollow fabric structure includes a body having an axis and a thickness along a direction perpendicular to the axis, at least first and second groups of yarns, the yarns of each group space-regularly disposed in layers, where the yarn layers of the at least two groups of yarns are alternately stacked and interlocked together, and embedded in the body, and a third group of yarns through the thickness of the body to interlock the layers together, where the positions and the pattern of interlocking vary according to the need.

IPC 8 full level
D04B 21/20 (2006.01); **D03D 25/00** (2006.01); **D04B 1/22** (2006.01)

CPC (source: EP US)
D03D 3/02 (2013.01 - EP US); **D03D 13/002** (2013.01 - EP); **D03D 25/005** (2013.01 - EP US); **D04B 39/00** (2013.01 - 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

DOCDB simple family (publication)
WO 2012125164 A1 20120920; EP 2686472 A1 20140122; EP 2686472 A4 20141105

DOCDB simple family (application)
US 2011028681 W 20110316; EP 11860840 A 20110316