

Title (en)
METHOD AND APPARATUS FOR PROCESSING A SHEET OR SHEETS OF THERMOPLASTIC MATERIAL HAVING CROSS-SECTION WITH A HOLLOW PROFILE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM BEARBEITEN EINES BOGENS ODER VON BÖGEN AUS THERMOPLASTISCHEM KUNSTSTOFF MIT EINEM HOHLPROFIL

Title (fr)
PROCÉDÉ ET APPAREIL DESTINÉS À TRAITER UNE FEUILLE OU DES FEUILLES DE MATÉRIAU THERMOPLASTIQUE AYANT UNE SECTION TRANSVERSALE PRÉSENTANT UN PROFIL CREUX

Publication
EP 3595898 A1 20200122 (EN)

Application
EP 18709359 A 20180312

Priority
• IT 201700028872 A 20170315
• EP 2018056079 W 20180312

Abstract (en)
[origin: WO2018166968A1] The present invention relates to a method for processing a sheet or sheets of a thermoplastic material (10) having cross-section with a hollow profile characterized in that said sheet(s) is preheated in a preheating station (3) on the surface at a temperature not exceeding that resulting in a softening without substantially compromising the hollow inner structure of said thermoplastic material having cross-section with a hollow profile, before being subjected to at least one next processing such as a lamination in a lamination station (4), welding-sealing, thermoforming in a thermoforming station (5), creasing, surface treatment in a surface treatment station (6), printing, cutting in a cutting station (7) or combinations of these processes. The invention also relates to an apparatus implementing the above-mentioned method.

IPC 8 full level
B29C 35/02 (2006.01); **B29C 35/08** (2006.01); **B29C 35/10** (2006.01); **B29C 37/00** (2006.01); **B29C 43/02** (2006.01); **B29C 43/20** (2006.01); **B29C 45/14** (2006.01); **B29C 48/08** (2019.01); **B29C 51/08** (2006.01); **B29C 51/10** (2006.01); **B29C 51/26** (2006.01); **B29C 51/42** (2006.01); **B29C 65/00** (2006.01); **B29C 69/00** (2006.01); **B32B 37/20** (2006.01); **B29K 23/00** (2006.01); **B29K 67/00** (2006.01); **B29K 69/00** (2006.01); **B29K 71/00** (2006.01); **B29K 105/04** (2006.01)

CPC (source: EP)
B29C 35/10 (2013.01); **B29C 48/0011** (2019.01); **B29C 48/0012** (2019.01); **B29C 48/0017** (2019.01); **B29C 48/0018** (2019.01); **B29C 48/002** (2019.01); **B29C 48/0021** (2019.01); **B29C 48/0022** (2019.01); **B29C 48/0023** (2019.01); **B29C 48/08** (2019.01); **B29C 51/266** (2013.01); **B29C 51/422** (2013.01); **B29C 69/001** (2013.01); **B29C 48/022** (2019.01); **B29C 51/082** (2013.01); **B29C 51/10** (2013.01); **B29C 51/428** (2013.01); **B29C 2035/0283** (2013.01); **B29C 2035/0822** (2013.01); **B29C 2035/0827** (2013.01); **B29C 2793/0009** (2013.01); **B29C 2795/007** (2013.01); **B29K 2023/065** (2013.01); **B29K 2023/12** (2013.01); **B29K 2067/003** (2013.01); **B29K 2069/00** (2013.01); **B29K 2071/12** (2013.01); **B29K 2105/04** (2013.01); **B32B 37/06** (2013.01); **B32B 37/20** (2013.01); **B32B 38/12** (2013.01)

Citation (search report)
See references of WO 2018166968A1

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 2018166968 A1 20180920; EP 3595898 A1 20200122; IT 201700028872 A1 20180915

DOCDB simple family (application)
EP 2018056079 W 20180312; EP 18709359 A 20180312; IT 201700028872 A 20170315