

Title (en)

PROCESS FOR THE PREPARATION OF THERMOPLASTIC HONEYCOMB SANDWICH STRUCTURES

Publication

**EP 0562001 A4 19931020 (EN)**

Application

**EP 92902626 A 19911203**

Priority

US 62225390 A 19901204

Abstract (en)

[origin: WO9210362A1] Rapid production of honeycomb sandwich structures containing fiber-reinforced or non-reinforced thermoplastic honeycomb (1) adhered to skins or facing sheets (2) is accomplished by fusion bonding the skins or facing sheets (2) to the core (1) by means of thermoplastic film(s) (3) heated to the melt temperature (4) and applying sufficient pressure (5) fusion bond the skins or facing sheets to the core, followed, when necessary, by cooling the assembly (6) to prevent overheating of the core and/or skins or facing sheets.

IPC 1-7

**B32B 3/12**

IPC 8 full level

**B29C 65/14** (2006.01); **B32B 3/12** (2006.01); **B32B 37/14** (2006.01); **B32B 37/16** (2006.01); **B29C 35/08** (2006.01); **B29C 65/10** (2006.01)

CPC (source: EP US)

**B29C 65/1432** (2013.01 - EP); **B29C 65/1467** (2013.01 - EP); **B29C 65/4815** (2013.01 - EP); **B29C 65/5057** (2013.01 - EP); **B29C 66/0342** (2013.01 - EP); **B29C 66/112** (2013.01 - EP); **B29C 66/114** (2013.01 - EP); **B29C 66/43** (2013.01 - EP); **B29C 66/438** (2013.01 - EP); **B29C 66/5346** (2013.01 - EP); **B29C 66/7254** (2013.01 - EP); **B29C 66/7392** (2013.01 - EP); **B29C 66/83413** (2013.01 - EP); **B29C 66/91411** (2013.01 - EP); **B29C 66/91645** (2013.01 - EP); **B29C 66/91931** (2013.01 - EP); **B32B 3/12** (2013.01 - EP US); **B32B 37/04** (2013.01 - EP); **B32B 37/08** (2013.01 - EP); **B32B 37/146** (2013.01 - EP); **B32B 38/0036** (2013.01 - US); **B29C 65/10** (2013.01 - EP); **B29C 65/1412** (2013.01 - EP); **B29C 65/483** (2013.01 - EP); **B29C 65/5092** (2013.01 - EP); **B29C 66/1122** (2013.01 - EP); **B29C 66/53462** (2013.01 - EP); **B29C 66/71** (2013.01 - EP); **B29C 66/73921** (2013.01 - EP); **B29C 66/7394** (2013.01 - EP); **B29C 2035/0822** (2013.01 - EP); **B32B 2037/0092** (2013.01 - US); **B32B 2305/024** (2013.01 - EP); **B32B 2310/0409** (2013.01 - EP)

Citation (search report)

- [X] EP 0389978 A2 19901003 - BASF AG [DE]
- [XP] EP 0400599 A2 19901205 - PHILLIPS PETROLEUM CO [US]
- See references of WO 9210362A1

Designated contracting state (EPC)

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**WO 9210362 A1 19920625**; CA 2056867 A1 19920605; EP 0562001 A1 19930929; EP 0562001 A4 19931020; JP H06503522 A 19940421

DOCDB simple family (application)

**US 9109023 W 19911203**; CA 2056867 A 19911203; EP 92902626 A 19911203; JP 50283391 A 19911203