

Title (en)
SANDWICH COMPOSITE ELEMENTS

Title (de)
SANDWICH-VERBUNDELEMENTE

Title (fr)
ÉLÉMENTS COMPOSITES EN SANDWICH

Publication
EP 2411198 A1 20120201 (DE)

Application
EP 10709802 A 20100316

Priority

- EP 2010001639 W 20100316
- EP 09004238 A 20090325
- EP 10709802 A 20100316

Abstract (en)
[origin: EP2233271A1] The device has a mixing head for mixing raw materials e.g. isocyanate components and polyol components, for producing foam. A ventilator head lies below the mixing head, and three hose lines are brought on the ventilator head. Three stationary casting rakes apply a mixture of the raw materials for foam formation on a movable substrate. The three casting rakes are arranged transverse to a production direction of the substrate in a displaced manner. The casting rakes comprise a conical inner cross-section at a region of an outlet opening of the foam. The hose lines comprise same cross-section. Independent claims are also included for the following: (1) a device for manufacturing foamed sandwich composite elements (2) a method for manufacturing foamed sandwich composite elements.

IPC 8 full level
B29C 44/46 (2006.01); **B05C 5/02** (2006.01)

CPC (source: EP US)
B29C 44/461 (2013.01 - EP US); **B05C 5/027** (2013.01 - US); **B29C 39/16** (2013.01 - US); **B29C 44/30** (2013.01 - EP US);
B29C 44/445 (2013.01 - EP US)

Citation (search report)
See references of WO 2010108615A1

Cited by
EP3482904A1; WO2019096733A1

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2233271 A1 20100929; BR PI1009531 A2 20160315; CN 102361737 A 20120222; EP 2411198 A1 20120201; JP 2012521311 A 20120913;
RU 2011142820 A 20130427; RU 2524395 C2 20140727; US 2012141673 A1 20120607; US 9242399 B2 20160126;
WO 2010108615 A1 20100930

DOCDB simple family (application)
EP 09004238 A 20090325; BR PI1009531 A 20100316; CN 201080013245 A 20100316; EP 10709802 A 20100316;
EP 2010001639 W 20100316; JP 2012501165 A 20100316; RU 2011142820 A 20100316; US 201013259481 A 20100316