

Title (en)  
Insulating connection element for transferring compression

Title (de)  
Isolierendes und Druckkraft übertragendes Anschlusselement

Title (fr)  
Élément de raccordement isolant transmettant la force de pression

Publication  
**EP 2455556 B1 20140910 (DE)**

Application  
**EP 11173639 A 20110712**

Priority  
• EP 10191914 A 20101119  
• EP 11173639 A 20110712

Abstract (en)  
[origin: EP2405065A1] The element (17) has an insulation body (31) defined by two contact surfaces (39, 41) for thermally separating two casting components. A transverse force-transmitting unit comprises transverse force-transmitting elements (35) continuously passing through the element toward one of the contact surfaces from the other contact surface. The transverse force-transmitting elements project above the contact surfaces about length in a range of 2 to 100 cm. Rectangular and cylindrical pressure elements (33a, 33b) surround the transverse force-transmitting elements in a partial circumferential manner.

IPC 8 full level  
**E04B 1/16** (2006.01); **E04B 1/76** (2006.01); **E04B 1/78** (2006.01); **E04B 2/02** (2006.01); **E04B 2/84** (2006.01)

CPC (source: EP US)  
**E04B 1/161** (2013.01 - EP US); **E04B 1/78** (2013.01 - EP US); **E04B 2/84** (2013.01 - US); **E04B 1/41** (2013.01 - EP); **E04B 2001/7679** (2013.01 - EP US); **E04B 2002/0254** (2013.01 - EP US); **E04B 2002/0293** (2013.01 - EP US)

Cited by  
CN103352569A; EP3492666A1

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)  
**EP 2405065 A1 20120111**; **EP 2405065 B1 20140423**; EP 2455556 A1 20120523; EP 2455556 B1 20140910; EP 2455557 A1 20120523; EP 2455557 B1 20140326; ES 2478045 T3 20140718; PL 2405065 T3 20140930; PL 2455557 T3 20140829; SI 2405065 T1 20140829; SI 2455557 T1 20140731; US 2012144772 A1 20120614; US 2012159884 A1 20120628; US 2012186176 A1 20120726; US 8590240 B2 20131126; US 8590241 B2 20131126; US 8733050 B2 20140527

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**EP 10191914 A 20101119**; EP 11173639 A 20110712; EP 11184629 A 20111011; ES 10191914 T 20101119; PL 10191914 T 20101119; PL 11184629 T 20111011; SI 201030655 T 20101119; SI 201130192 T 20111011; US 201113300595 A 20111120; US 201113300597 A 20111120; US 201113301620 A 20111121