

Title (en)  
SOUND PANELS AND METHOD FOR MANUFACTURE THEREOF

Title (de)  
SCHALLPANELEE UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
PANNEAUX ACOUSTIQUES ET LEUR PROCÉDÉ DE FABRICATION

Publication  
**EP 3867034 A4 20220713 (EN)**

Application  
**EP 19872890 A 20191010**

Priority  
• AU 2018903892 A 20181015  
• AU 2019000127 W 20191010

Abstract (en)  
[origin: WO2020077382A1] The present invention relates to the field of sound attenuating, absorbing or reflecting panels, such as plastic or concrete panels, sound attenuation barriers or other wall structures. The present invention provides a mould with at least one protrusion configured to form at least one feature of the panel during production and provides an absorptive layer in a predetermined orientation relative to the protrusion. Panel material is added to the mould and then the panel is formed so as to retain the absorptive layer within at least a portion of the panel.

IPC 8 full level  
**B29C 41/06** (2006.01); **B29C 41/38** (2006.01); **B32B 3/30** (2006.01); **E04B 1/84** (2006.01)

CPC (source: AU EP)  
**B29C 41/06** (2013.01 - AU EP); **B29C 41/20** (2013.01 - AU EP); **B29C 41/38** (2013.01 - EP); **B29D 99/0014** (2013.01 - EP); **B29D 99/0021** (2013.01 - AU); **B32B 3/266** (2013.01 - AU EP); **B32B 3/28** (2013.01 - AU); **B32B 3/30** (2013.01 - EP); **B32B 5/02** (2013.01 - EP); **B32B 5/18** (2013.01 - EP); **B32B 27/065** (2013.01 - EP); **B32B 27/12** (2013.01 - EP); **B32B 27/18** (2013.01 - EP); **B32B 27/20** (2013.01 - EP); **B32B 27/32** (2013.01 - AU EP); **E04B 1/86** (2013.01 - AU EP); **B29K 2023/0625** (2013.01 - EP); **B29K 2995/0002** (2013.01 - EP); **B29L 2007/002** (2013.01 - EP); **B29L 2031/10** (2013.01 - EP); **B32B 2250/02** (2013.01 - EP); **B32B 2250/03** (2013.01 - AU); **B32B 2262/062** (2013.01 - EP); **B32B 2262/08** (2013.01 - EP); **B32B 2262/101** (2013.01 - EP); **B32B 2262/108** (2013.01 - EP); **B32B 2266/0207** (2013.01 - EP); **B32B 2266/025** (2013.01 - EP); **B32B 2307/102** (2013.01 - AU EP); **B32B 2307/3065** (2013.01 - EP); **B32B 2307/4026** (2013.01 - EP); **B32B 2323/046** (2013.01 - AU); **B32B 2607/00** (2013.01 - AU EP); **E04B 2001/8476** (2013.01 - AU); **E04B 2001/848** (2013.01 - EP)

Citation (search report)  
• [XAI] CA 2251953 A1 19971023 - LINPAC MOULDINGS PTY LTD [AU]  
• [XAI] EP 2251231 A1 20101117 - FREIST AUTOMOTIVE BIELEFELD GM [DE]  
• [XA] US 2010243369 A1 20100930 - FUSIEK BOGUSLAW [US], et al  
• [XA] US 2018240451 A1 20180823 - JEONG GAB CHEOL [KR], et al  
• [XA] US 2004121100 A1 20040624 - POTEempa MICHAEL MATHEAU [US]  
• [A] AU 2012241161 B2 20140925 - AUS GROUP ALLIANCE PTY LTD [AU]  
• [A] JP 2002011743 A 20020115 - SHIINA KASEI KK  
• [A] US 6116374 A 20000912 - WESTERBEKE JR JOHN H [US]  
• See references of WO 2020077382A1

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 2020077382 A1 20200423**; AU 2019361731 A1 20210603; EP 3867034 A1 20210825; EP 3867034 A4 20220713

DOCDB simple family (application)  
**AU 2019000127 W 20191010**; AU 2019361731 A 20191010; EP 19872890 A 20191010