

Title (en)  
Floor panel with a fire-retardant layer

Title (de)  
Fussbodenpaneel mit einer feuerhemmenden Schicht

Title (fr)  
Panneau de plancher avec une couche ignifuge

Publication  
**EP 1795668 A1 20070613 (DE)**

Application  
**EP 05026745 A 20051207**

Priority  
EP 05026745 A 20051207

Abstract (en)  
Floor panel (1) has a coating structure whereby a fire-resistant coating is provided in the coating structure. The fire-resistant coating contains non-combustible material, a fiber mat and a glass fiber mat. The fire-resistant coating contains an impregnation and whereby the impregnation contains melamine resin. An independent claim is also included for the method for manufacturing of floor panel.

IPC 8 full level  
**E04F 15/02** (2006.01); **E04B 1/94** (2006.01)

CPC (source: EP US)  
**E04F 15/02** (2013.01 - EP US); **E04F 15/181** (2013.01 - EP US); **E04F 15/04** (2013.01 - EP US); **E04F 2201/026** (2013.01 - EP US); **E04F 2290/042** (2013.01 - EP US); **E04F 2290/043** (2013.01 - EP US); **E04F 2290/046** (2013.01 - EP US); **Y10T 156/10** (2015.01 - EP US); **Y10T 428/164** (2015.01 - EP US); **Y10T 428/167** (2015.01 - EP US); **Y10T 428/17** (2015.01 - EP US); **Y10T 428/24777** (2015.01 - EP US); **Y10T 428/24785** (2015.01 - EP US); **Y10T 428/24802** (2015.01 - EP US); **Y10T 428/249921** (2015.04 - EP US); **Y10T 428/26** (2015.01 - EP US)

Citation (applicant)  
• EP 1493878 A1 20050105 - KRONOTEC AG [CH]  
• US 2003022577 A1 20030130 - KIM KWANG-MIN [KR], et al  
• US 2002160680 A1 20021031 - LAURENCE KENNETH JOHN [US], et al  
• GB 2053798 A 19810211 - KIMBERLY CLARK CO  
• WO 9747834 A1 19971218 - UNILIN BEHEER BV [NL]

Citation (search report)  
• [X] US 2003022577 A1 20030130 - KIM KWANG-MIN [KR], et al  
• [X] US 2002160680 A1 20021031 - LAURENCE KENNETH JOHN [US], et al  
• [X] GB 2053798 A 19810211 - KIMBERLY CLARK CO  
• [X] EP 1493878 A1 20050105 - KRONOTEC AG [CH]

Cited by  
WO2012034548A1; FR2944728A1; CN103407267A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1795668 A1 20070613; EP 1795668 B1 20100602**; AT E470030 T1 20100615; AT E485428 T1 20101115; CN 101336326 A 20081231; CY 1110660 T1 20150610; CY 1111117 T1 20150611; DE 502005009693 D1 20100715; DE 502006008150 D1 20101202; DK 1795668 T3 20100913; DK 1963596 T3 20110131; EP 1963596 A1 20080903; EP 1963596 B1 20101020; ES 2344953 T3 20100910; ES 2355659 T3 20110329; NO 20083017 L 20080905; NO 344816 B1 20200504; PL 1795668 T3 20100930; PL 1963596 T3 20110331; PT 1795668 E 20100616; PT 1963596 E 20101115; RU 2008125424 A 20100120; RU 2408769 C2 20110110; SI 1795668 T1 20100930; SI 1963596 T1 20110228; US 2009214832 A1 20090827; US 8465821 B2 20130618; WO 2007065481 A1 20070614

DOCDB simple family (application)  
**EP 05026745 A 20051207**; AT 05026745 T 20051207; AT 06707412 T 20060303; CN 200680051799 A 20060303; CY 101100517 T 20100611; CY 101100979 T 20101027; DE 502005009693 T 20051207; DE 502006008150 T 20060303; DK 05026745 T 20051207; DK 06707412 T 20060303; EP 06707412 A 20060303; EP 2006001982 W 20060303; ES 05026745 T 20051207; ES 06707412 T 20060303; NO 20083017 A 20080703; PL 05026745 T 20051207; PL 06707412 T 20060303; PT 05026745 T 20051207; PT 06707412 T 20060303; RU 2008125424 A 20060303; SI 200531070 T 20051207; SI 200630856 T 20060303; US 9675706 A 20060303