

Title (en)  
PANEL TO COVER WALLS OR CEILINGS

Publication  
**EP 0220389 A3 19871202 (DE)**

Application  
**EP 86110166 A 19860724**

Priority  
DE 3538538 A 19851030

Abstract (en)  
[origin: EP0220389A2] 1. A panel to cover walls or ceilings of buildings, wherein two parallel longitudinal edges are profiled in such a way that in the position of use a male longitudinal edge engages a female longitudinal edge, the female longitudinal edge having two opposing walls running approximately parallel to the surface of the panel and therewith embracing the upper and lower side of the male longitudinal edge of the neighbouring panel in the position of use and the cross section of the male longitudinal edge tapering towards the front end of the latter, a cavity between the longitudinal edges and the surface of the panel being foamed with an insulating material, characterized in that the female longitudinal edge (2) has in its interior an undercut (4) and the male longitudinal edge (3) has a hook-shaped projection (5) engaging said undercut (4) in the position of use, that the embraced male longitudinal edge (3) recedes relative to the top side (6) thereof and in the position of use a clearance is in each case provided between the front end (12) of the male longitudinal edge (3) and the groove base (13) of the female longitudinal edge (2) as well as between the forward side (14) of the undercut (4) in the direction of insertion and the area (15) of the male longitudinal edge (3) receding relative thereto, the projection (5) engaging behind the undercut (4) within the female longitudinal edge (2) being devised to be approximately hook-shaped in cross section and the hook end (17) of said projection butting against the rear stop face (16) of the undercut (4), while the outside of the hook has a clearance from the groove base (13) of the female longitudinal edge (2) and an area (18) belonging to the male longitudinal edge (3) and forming the back of the hook runs slantwise in cross section to the front end (12) in such a way as to compose the cross sectional taper of the male longitudinal edge (3).

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**E04F 13/12**

IPC 8 full level  
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CPC (source: EP)  
**E04C 2/292** (2013.01); **E04F 13/12** (2013.01)

Citation (search report)  
• [Y] BE 765817 A 19710916 - FYENS CONSTANTINUS F, et al  
• [Y] BE 742486 A 19700514  
• [A] DE 2917025 A1 19801127 - REYNOLDS ALUMINIUM FRANCE S A  
• [AD] DE 7102476 U  
• [A] DE 3246376 A1 19840620 - BALLAS PETER  
• [A] AT 352363 B 19790910 - REITMAIER L KG  
• [A] AT 364501 B 19811027 - TABORSKY HANS ING  
• [A] DE 2352309 A1 19750424 - ARMCO GMBH [DE]  
• [A] FR 1531524 A 19680705 - PLASTIVAL S A  
• [A] FR 2143180 A1 19730202 - ALCAN ALUMINIUMWERKE

Cited by  
US8038363B2; FR2832470A1; US7896571B1; DE102006028496B3; DE102005039508A1; DE102005039508B4; US11578495B2; US8276342B2; US10138637B2; WO03044303A1; US9605436B2; US9970199B2; US10876301B2; US10801213B2; US10941578B2; WO0063510A1; US9624676B2; US9856657B2; US10125498B2; US10407920B2; US10508457B2; EP3087230B1; US9611656B2; US9677285B2; US10156078B2; US10233653B2; US10626619B2

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