

Title (en)
Three dimensionally rigidified flat element

Title (de)
Räumlich verstrebttes flächiges Formbauteil

Title (fr)
Élément plat tridimensionnellement renforcé

Publication
EP 1251216 A3 20030917 (DE)

Application
EP 02008451 A 20020412

Priority
DE 10119610 A 20010421

Abstract (en)
[origin: EP1251216A2] Spatially braced flat molded component comprises humps directed downward and upward in an alternating manner. Square surfaces are formed on three planes parallel to each other. The humps have a uniform, regular, repeating shape which produces side surfaces of corresponding humps. Preferred Features: The square surfaces are arranged on more than three planes. The square surfaces are structured so that hollow chambers are formed when only the side surfaces of corresponding humps are in contact with each other.

IPC 1-7
E04C 2/32; **E04C 2/34**

IPC 8 full level
E04C 2/32 (2006.01)

CPC (source: EP)
E04C 2/326 (2013.01)

Citation (search report)
• [XY] US 5612117 A 19970318 - BELANGER GERMAIN [CA], et al
• [XY] GB 956132 A 19640422 - GEORGE MOUNTFORD ADIE
• [Y] DE 29702803 U1 19970410 - MOSER JOSEF [DE]
• [Y] US 5894045 A 19990413 - DESRONDIERS BERNARD R [US]
• [PA] DE 20001729 U1 20010621 - R & S TECHNIK GMBH [DE]
• [PA] DE 19944662 A1 20010607 - BOHMANN DIRK [DE]

Cited by
KR100738501B1; US11365542B2; EP2500118A4; US9108239B2

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