

Title (en)
Shuttering element and its method of production

Title (de)
Schalungselement sowie sein Herstellungsverfahren

Title (fr)
Élément de coffrage et son procédé de fabrication

Publication
EP 1424458 A1 20040602 (FR)

Application
EP 02447232 A 20021128

Priority
EP 02447232 A 20021128

Abstract (en)
The shuttering element for a cast concrete spiral staircase consists of a rigid block of a synthetic foam with a flat lower thrust surface and a helicoid upper surface coated with an impermeable and non-deformable moulding skin of a hardened and fibre-reinforced synthetic resin. The block is made using a wire cutter following a helicoid surface with its axis perpendicular to the base of the block. The shuttering element (1) for a cast concrete spiral staircase consists of a rigid block (2) of a synthetic foam with a flat lower thrust surface and a helicoid upper surface (4) coated with an impermeable and non-deformable moulding skin (3) of a hardened and fibre-reinforced synthetic resin. The block is made from a basically parallelepiped block of synthetic foam, using a wire cutter following a helicoid surface with its axis perpendicular to the base of the block, and is given a coating of a sealing material before applying the impermeable resin. A panel of a rigid material is stuck to the base of the block.

Abstract (fr)
L'élément de coffrage pour la face inférieure, hélicoïdale, d'un escalier de révolution, comprend un bloc de matière synthétique en mousse, rigide, présentant une face inférieure d'appui, sensiblement plane, et une face supérieure hélicoïdale, d'axe perpendiculaire à la face inférieure, correspondant à la face inférieure de l'escalier en béton à couler. Une peau de moulage, imperméable et indéformable, recouvre ladite face supérieure. <IMAGE>

IPC 1-7
E04G 13/06; **E04G 11/04**

IPC 8 full level
B28B 7/22 (2006.01); **B28B 7/34** (2006.01); **B28B 7/36** (2006.01); **E04G 11/04** (2006.01); **E04G 13/06** (2006.01)

CPC (source: EP)
B28B 7/225 (2013.01); **B28B 7/346** (2013.01); **B28B 7/348** (2013.01); **B28B 7/364** (2013.01); **E04G 11/04** (2013.01); **E04G 13/06** (2013.01); **E04G 13/062** (2013.01)

Citation (applicant)
DE 4420849 A1 19951221 - EVERS CLEMENS [DE]

Citation (search report)
• [Y] DE 10004254 A1 20010809 - KAHLE ARNO [DE]
• [Y] EP 0148363 A1 19850717 - DOMESLE BENNO
• [A] FR 2086636 A5 19711231 - WAMANT SERGE, et al
• [A] DE 19617602 A1 19971106 - FRANK GMBH & CO KG MAX [DE]
• [A] DE 19627975 A1 19970313 - SCHULZE MATHIAS [DE], et al
• [A] DE 2854888 A1 19800626 - KOCH & MEYER BAUUNTERNEHMUNG G

Cited by
DE102017129740A1; RU2706998C2

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

DOCDB simple family (publication)
EP 1424458 A1 20040602

DOCDB simple family (application)
EP 02447232 A 20021128