Title (en)
BUILDING BLOCK, IN PARTICULAR FOR BUILDING-BLOCK TOYS

Publication
EP 0117846 B1 19861120 (DE)

Application
EP 84810061 A 19840202

Priority
CH 81483 A 19830214

Abstract (en)
[origin: US4552541A] A building block is provided having side walls and a top face with two rows of coupling pins on the one side of the top face and counter-coupling tubes on the other side for mechanically coupling two such building blocks by means of a clamping action. On their side faces, the coupling pins have electrically conducting regions, which extend over an angular range. The angular range of one row being turned by 180 DEG relative to those of the other row. All the conducting regions are connected to a contact bar, which is arranged on the side of the counter-coupling tubes along one side wall. When two building blocks are coupled arbitrarily, at least one conducting region of each row of coupling pins of the one building block makes contact with a contact bar of the other building block in such a way, that a short circuit cannot occur in the two electrical circuits assigned to each row of coupling pins or each contact bar.

IPC 1-7
A63H 33/08

IPC 8 full level
A63H 33/04 (2006.01); **A63H 33/08** (2006.01)

CPC (source: EP KR US)
A63H 33/04 (2013.01 - KR); **A63H 33/042** (2013.01 - EP US)

Cited by
EP0259869A3; EP2832406A1; US5042972A; EP0259874A3; DE4313199C1; EP2258457A1; GB2188956A; GB2188956B; US8684750B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0117846 A1 19840905; **EP 0117846 B1 19861120**; AT E23675 T1 19861215; AU 2381784 A 19840823; AU 567318 B2 19871119; BG 44703 A3 19890116; BR 8400616 A 19840918; CA 1225831 A 19870825; CS 266323 B2 19891213; CS 82284 A2 19890210; DD 223066 A5 19850605; DE 3461350 D1 19870108; DK 155205 B 19890306; DK 155205 C 19890710; DK 62584 A 19840815; DK 62584 D0 19840213; EG 16092 A 19870330; ES 287795 U 19860601; ES 287795 Y 19870201; ES 291858 U 19860516; ES 291858 Y 19870116; ES 291859 U 19860516; ES 291859 Y 19870116; FI 78398 B 19890428; FI 78398 C 19890810; FI 840594 A0 19840214; FI 840594 A 19840815; GR 81757 B 19841212; HK 12088 A 19880216; HU 187553 B 19860128; IE 54895 B1 19900314; IE 840326 L 19840814; IL 70794 A0 19840430; IL 70794 A 19861031; JP H036830 B2 19910131; JP S59156365 A 19840905; KR 840007665 A 19841210; KR 910003400 B1 19910530; MA 20029 A1 19841001; MX 156634 A 19880920; MY 100348 A 19900828; NO 158854 B 19880801; NO 158854 C 19881109; NO 840517 L 19840815; NZ 206971 A 19890127; PH 21461 A 19871028; PL 143935 B1 19880331; PL 246200 A1 19841119; PT 78099 A 19840301; PT 78099 B 19860327; SG 45087 G 19880304; SU 1269733 A3 19861107; US 4552541 A 19851112; ZA 84587 B 19840926

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EP 84810061 A 19840202; AT 84810061 T 19840202; AU 2381784 A 19840126; BG 6424784 A 19840214; BR 8400616 A 19840213; CA 447265 A 19840213; CS 82284 A 19840206; DD 26001084 A 19840210; DE 3461350 T 19840202; DK 62584 A 19840213; EG 9584 A 19840208; ES 287795 U 19840213; ES 291858 U 19851231; ES 291859 U 19851231; FI 840594 A 19840214; GR 840173717 A 19840206; HK 12088 A 19880210; HU 56084 A 19840213; IE 32684 A 19840213; IL 7079484 A 19840126; JP 2454284 A 19840214; KR 840000694 A 19840214; MA 20251 A 19840210; MX 20030284 A 19840213; MY PI19870218 A 19870303; NO 840517 A 19840213; NZ 20697184 A 19840127; PH 30195 A 19840202; PL 24620084 A 19840213; PT 7809984 A 19840214; SG 45087 A 19870515; SU 3699950 A 19840210; US 57841584 A 19840209; ZA 84587 A 19840125