

Title (en)
GRID BLOCK MATERIAL

Title (de)
GITTERBLOCKMATERIAL

Title (fr)
MATERIAU A CONFIGURATION DE GRILLE

Publication
EP 0842000 A1 19980520 (DE)

Application
EP 96913524 A 19960425

Priority

- DE 19527618 A 19950730
- DE 19542510 A 19951115
- EP 9601724 W 19960425

Abstract (en)
[origin: WO9704897A1] The description relates to a structural material having the configuration or form of a wire grid. The structural material can be made by first winding a continuous wire on a loom structure. Once the wire has been wound into an array of parallel wires, it is secured in place and separated into segments. The segments are then arranged in a frame. The frame arranges the segments at relative angles so that they form a matrix or network or sieve. In the final production step, the wires are welded together, e.g. in a forging press. Alternatively, the material may also be produced by first securing wire segments in a pair of frames and then welding them together. The structural material of the invention can be used alone or in layers to form a multi-layer material.

IPC 1-7
B21F 27/00; B21F 27/12

IPC 8 full level
B21F 27/02 (2006.01); **B21F 27/00** (2006.01); **B21F 27/10** (2006.01); **B21F 27/12** (2006.01); **B23K 11/00** (2006.01); **B23K 20/02** (2006.01); **B32B 3/24** (2006.01); **B32B 9/00** (2006.01); **F16S 3/08** (2006.01)

IPC 8 main group level
B21F (2006.01); **E04C** (2006.01)

CPC (source: EP KR)
B21F 27/00 (2013.01 - KR); **B21F 27/02** (2013.01 - EP); **B21F 27/10** (2013.01 - EP); **B21F 27/128** (2013.01 - EP); **B23K 11/008** (2013.01 - EP); **B23K 20/02** (2013.01 - EP); **B32B 3/266** (2013.01 - EP); **B32B 9/00** (2013.01 - EP); **B23K 2101/22** (2018.08 - EP)

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9704897 A1 19970213; AU 5647796 A 19970226; BR 9610090 A 19990105; CN 1192173 A 19980902; CZ 23498 A3 19990414; DE 19527618 A1 19970206; DE 19542510 A1 19970522; EP 0842000 A1 19980520; HU P9802346 A2 19990201; HU P9802346 A3 19990728; IL 118177 A0 19960912; JP H11514928 A 19991221; KR 19990035888 A 19990525; MX 9800799 A 19981129; NO 980397 D0 19980129; NO 980397 L 19980326; PL 324801 A1 19980622; SK 12298 A3 19980805

DOCDB simple family (application)
EP 9601724 W 19960425; AU 5647796 A 19960425; BR 9610090 A 19960425; CN 96195997 A 19960425; CZ 23498 A 19960425; DE 19527618 A 19950730; DE 19542510 A 19951115; EP 96913524 A 19960425; HU P9802346 A 19960425; IL 11817796 A 19960507; JP 50713397 A 19960425; KR 19980700549 A 19980123; MX 9800799 A 19980128; NO 980397 A 19980129; PL 32480196 A 19960425; SK 12298 A 19960425