

Title (en)

GRID-LIKE GIRDER FOR THE SUPPORT OF UNDERGROUND GALLERIES AND SHAFTS

Publication

EP 0073733 B1 19850529 (DE)

Application

EP 82810334 A 19820809

Priority

DE 8125375 U 19810901

Abstract (en)

[origin: EP0073733A1] 1. Lattice girder for underground panel lining and shaft lining, with three parallel chord members (1, 2 and 3), which in cross-section form a triangle, being spatially fixed to one another by means of strengthening elements (4), characterised in that each strengthening element (4) consists integrally of a profiled bar bent into two triangles (5 and 6) inclined towards one another and running towards the chords members (1, 2 and 3), and that the corners of the triangles (5 and 6) are welded from the inside to the chord members (1, 2 and 3).

IPC 1-7

E21D 11/18

IPC 8 full level

E21D 11/10 (2006.01); **E21D 11/18** (2006.01)

CPC (source: EP)

E21D 11/107 (2013.01); **E21D 11/18** (2013.01)

Citation (examination)

DE 2951874 A1 19800703 - EVG ENTWICKLUNG VERWERT GES

Cited by

EP1921251A1; DE102014103477A1; DE19711627A1; CN113503173A; DE19616444A1; DE19616444C2; EP0302243A1; FR2604743A1; GB2195677B; GB2287729A; GB2287729B; DE19835557B4; EP1505253A3; US5054964A; DE102014010212B3; EP2372082A3; EP2918772A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0073733 A1 19830309; EP 0073733 B1 19850529; AT E13577 T1 19850615; DE 3263900 D1 19850704; DE 8125375 U1 19820121

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