

Title (en)
PROCESS FOR BUILDING A COHESIVE CONSTRUCTION BY MEANS OF A MATERIAL CONSISTING OF SOLID NON-COHESIVE PARTICLES

Publication
EP 0034520 A3 19811202 (FR)

Application
EP 81400163 A 19810203

Priority
ZA 80816 A 19800213

Abstract (en)
[origin: ES8305877A1] There is constructed around pillars of a mine chamber on the ground a rectangular enclosure which is defined by superimposed layers of U-section elements. The concavity of the latter faces inwardly of the enclosure. A pulverulent material is poured by a hydraulic filling method into the enclosure. This pulverent material preferably comprises light fine ash having hydraulic properties. Owing to the reinforcements embedded in the mass, the structure initially behaves as stabilized earth, but, in the end, the material sets and becomes coherent so that finally the structure has a lean concrete character.

IPC 1-7
E02D 29/02; **E21F 15/00**

IPC 8 full level
E02D 3/12 (2006.01); **E02D 29/02** (2006.01); **E21F 15/00** (2006.01); **E21F 15/08** (2006.01)

CPC (source: EP US)
E02D 29/0275 (2013.01 - EP US); **E21F 15/08** (2013.01 - EP US)

Citation (search report)
• GB 1485004 A 19770908 - ENVIRONMENT SEC OF STATE FOR T
• FR 2055983 A5 19710514 - VIDAL HENRI, et al
• DE 2724599 A1 19781214 - ULLRICH KARL AUGUST DR ING
• US 3817039 A 19740618 - STEWART J, et al
• FR 2143389 A1 19730202 - THYSSEN GREAT BRITAIN LTD
• FR 1452419 A 19660225 - VEDECKO VYZK UHELNY USTAV

Cited by
CN102226396A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LU NL SE

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EP 0034520 A2 19810826; **EP 0034520 A3 19811202**; **EP 0034520 B1 19850109**; AR 229583 A1 19830930; AT E11172 T1 19850115; AU 6716881 A 19810820; BR 8100860 A 19810825; CA 1175248 A 19841002; DE 3168088 D1 19850221; ES 500072 A0 19830501; ES 8305877 A1 19830501; IL 62064 A0 19810331; IL 62064 A 19840131; JP S56153011 A 19811126; MX 156841 A 19881006; US 4412760 A 19831101; ZA 80816 B 19810128

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EP 81400163 A 19810203; AR 28429581 A 19810213; AT 81400163 T 19810203; AU 6716881 A 19810211; BR 8100860 A 19810212; CA 370423 A 19810209; DE 3168088 T 19810203; ES 500072 A 19810213; IL 6206481 A 19810204; JP 2002581 A 19810213; MX 18597481 A 19810213; US 23345881 A 19810211; ZA 80816 A 19800213