

Title (en)  
SECURITY BARRIER STRUCTURE

Publication  
**EP 0078566 B1 19860108 (EN)**

Application  
**EP 82201322 A 19821025**

Priority  
GB 8133085 A 19811103

Abstract (en)  
[origin: EP0078566A1] A barrier structure for safes and vaults including reinforcing members 3 designed to provide increased resistance to penetration by diamond drills. A cast concrete layer 2 is held to a backing plate 1 by anchors 4 and the reinforcing members 3 are welded to the anchors 4 so as to be embedded in the layer 2 when the concrete is cast onto the plate 1. The reinforcements 3 comprise tubes 5 which may be filled with a variety of elements which have been found to frustrate the diamond drill, such as tensile steel rods 7 ceramic rollers 8 and small rods or needles 9 of malleable metal.

IPC 1-7  
**E05G 1/024**

IPC 8 full level  
**E05G 1/024** (2006.01)

CPC (source: EP)  
**E05G 1/024** (2013.01)

Citation (examination)  
US 881031 A 19080303 - SCHULTZ WILLIAM F [US]

Cited by  
CH680602A5; FR2560628A1; DE3400818A1; FR2558204A1; FR2559254A1; DE8815120U1; DE3826936A1; EP0249652A3; SE2230075A1; WO2023177334A1; WO2015031307A1; WO2015031319A1

Designated contracting state (EPC)  
BE FR IT LU NL SE

DOCDB simple family (publication)  
**EP 0078566 A1 19830511; EP 0078566 B1 19860108**; AU 553929 B2 19860731; AU 8987682 A 19830512; DK 485982 A 19830504; ES 277106 U 19840701; ES 277106 Y 19850216; HK 89186 A 19861128; MY 8700094 A 19871231; NZ 202304 A 19841214; PT 75786 A 19821201; PT 75786 B 19850319

DOCDB simple family (application)  
**EP 82201322 A 19821025**; AU 8987682 A 19821028; DK 485982 A 19821102; ES 277106 U 19821102; HK 89186 A 19861120; MY 8700094 A 19871230; NZ 20230482 A 19821028; PT 7578682 A 19821103