

Title (en)  
Container for corrosive electrolytes

Title (de)  
Behälter für ätzende Elektrolyten

Title (fr)  
Recipient pour électrolytes corrosifs

Publication  
**EP 0431313 B1 19960131 (EN)**

Application  
**EP 90120914 A 19901031**

Priority  
• US 43152689 A 19891103  
• US 44259389 A 19891129

Abstract (en)  
[origin: EP0431313A1] A container in which minerals such as copper are purified in an electrolytic process includes bottom (12), end (15, 16) and side walls (13, 14) for containing a corrosive electrolyte, such as, a sulphuric or hydrochloric acid solution. The bottom, end and side walls of the container are composed of a cured mixture of 10-19 percent of a modified, vinylester or polyester thermo-setting resin and the balance consisting of aggregate. The surfaces of the container are coated with a resin layer having a backing layer consisting of about 70%-80% resin and 20%-30% a reinforcement which may comprise a fiber glass mat of non-continuous strands 1/2"-2" long or a light cloth of fiber glass or other synthetic fiber. An overflow box (20) is integrally formed in a first formation extending vertically along one end wall of the cell and an overflow pipe (21) is molded into the first formation and extends from the overflow box outwardly of the cell. A vertical covered inlet channel (30) or cast-in pipe is provided at the opposite end of the container and extends from its upper to its lower end.

IPC 1-7  
**C25C 7/00**; **C25B 9/00**

IPC 8 full level  
**C25B 9/00** (2006.01); **C25C 7/00** (2006.01)

CPC (source: EP)  
**C25B 9/00** (2013.01); **C25C 7/00** (2013.01)

Citation (examination)  
• US 2816070 A 19571210 - BUCHANAN DAVID M  
• US 3409536 A 19681105 - BARBER DONALD B, et al

Cited by  
US5756874A; EP3294930A4; WO2016179703A1; WO2010048739A2; WO9713555A1; WO0132962A1

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

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**EP 0431313 A1 19910612**; **EP 0431313 B1 19960131**; AT E133722 T1 19960215; AU 638502 B2 19930701; AU 6569890 A 19910509; BR 9005568 A 19910917; CA 2028991 A1 19910504; CA 2028991 C 19960213; DE 69025145 D1 19960314; DE 69025145 T2 19960605; DK 0431313 T3 19960610; ES 2085308 T3 19960601; FI 905442 A0 19901102; FI 93977 B 19950315; FI 93977 C 19950626; GR 3019302 T3 19960630; MX 168152 B 19930506

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