

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

DOCDB simple family (publication)
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