

Title (en)
Packaging

Title (de)
Verpackung

Title (fr)
Emballage

Publication
EP 1916276 A1 20080430 (EN)

Application
EP 07394025 A 20071024

Priority
• IE 20060775 A 20061024
• IE 20060832 A 20061116

Abstract (en)
An improved packaging material for metal protection, employing multiple protection components which together provide optimum corrosion protection. One of the protection components is a "mixed inhibitor" VCI, having a combination of chemical compounds in which the electron density distribution causes the molecules to be attracted to both the anodic and cathodic sites. The metal-protecting components include a desiccant, and an oxygen scavenger. The metal-protecting components further comprise a cathodic protector. Polyethylene is the bulk component, and the metal-protecting components are dispersed in said bulk component. The volatile corrosion inhibitor preferably includes phosphate esters, acids, and amines. The acids preferably include caprylic acid and isononanoic acid. The amines preferably include amino-2methyl-1-propanal. The desiccant is preferably a silica gel.

IPC 8 full level
C08K 13/02 (2006.01); **B65D 81/26** (2006.01); **C08K 3/22** (2006.01); **C08K 3/26** (2006.01); **C08K 3/28** (2006.01); **C08K 3/36** (2006.01); **C08K 5/09** (2006.01); **C08K 5/098** (2006.01); **C08K 5/17** (2006.01); **C08K 5/3415** (2006.01); **C08K 5/3417** (2006.01); **C08K 5/52** (2006.01)

CPC (source: EP)
B65D 81/266 (2013.01); **B65D 81/267** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1916276 A1 20080430; IE 20070775 A1 20080611

DOCDB simple family (application)
EP 07394025 A 20071024; IE 20070775 A 20071024