

Title (en)

Acid composition for washing the exterior of railway carriages and the like.

Title (de)

Saure Zusammensetzung zum Waschen der Aussenseite von Eisenbahnwagen und dergleichen.

Title (fr)

Composition acide pour laver l'extérieur de wagons de chemin de fer et semblables.

Publication

**EP 0241779 A2 19871021 (EN)**

Application

**EP 87104462 A 19870326**

Priority

IT 2010686 A 19860416

Abstract (en)

A composition for washing the exterior of railway carriages and the like consisting of an aqueous dispersion containing pectin as the thickening agent, and possibly xanthan gum and sorbitol, and having acid pH due to the presence of one or more mineral or organic acids chosen from the group of acids able to dissolve iron oxide. Said composition is prepared by firstly mixing the pectin and if present the xanthan gum and sorbitol with water at 60-85 DEG C, and then adding the acid or acids at 35-40 DEG C. The composition obtained has advantages of applicational and ecological character.

IPC 1-7

**C11D 7/08**; C11D 7/26; C23G 1/02

IPC 8 full level

**C11D 7/08** (2006.01); **C11D 7/26** (2006.01); **C11D 7/32** (2006.01); **C23G 1/02** (2006.01)

CPC (source: EP)

**C11D 3/222** (2013.01); **C11D 7/08** (2013.01); **C11D 7/263** (2013.01); **C11D 7/265** (2013.01); **C11D 7/3227** (2013.01); **C23G 1/025** (2013.01)

Cited by

US6083890A; AU728483B2; EP0633221A1; FR2707280A1; US5431839A; WO9611572A1; WO2013160025A1; WO9746656A3

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0241779 A2 19871021**; **EP 0241779 A3 19881012**; **EP 0241779 B1 19920729**; AT E78867 T1 19920815; DE 3780678 D1 19920903; DE 3780678 T2 19930121; ES 2033710 T3 19930401; IT 1204304 B 19890301; IT 8620106 A0 19860416

DOCDB simple family (application)

**EP 87104462 A 19870326**; AT 87104462 T 19870326; DE 3780678 T 19870326; ES 87104462 T 19870326; IT 2010686 A 19860416