

Title (en)

Phosphate ester compositions and process for preparing them.

Title (de)

Phosphatester Zusammensetzungen und Verfahren zu deren Herstellung.

Title (fr)

Compositions d'esters phosphoriques et leur procédé de préparation.

Publication

**EP 0000240 A1 19790110 (EN)**

Application

**EP 78300009 A 19780601**

Priority

- AU 3774578 A 19780704
- GB 2541677 A 19770617

Abstract (en)

Flame retarding and plasticizing compositions for vinyl-chloride polymers comprising (i) a first phosphat ester component containing at least one C6-12 alkyl diphenyl phosphate and (ii) triphenyl phosphate having proportions of (i) to (ii) in the range of 1.8:1 to 5.5:1 are stable homogeneous liquids at low temperatures when prepared by a process in which a phosphorus oxyhalide is reacted with an excess of an alkali metal phenate to form a mixture containing triphenyl phosphate and alkali metal phenate, and the alkali metal phenate in that mixture is reacted with a C6-12 alkyl phosphordichloride.

IPC 1-7

**C08K 5/52**; **C07F 9/00**

IPC 8 full level

**C07F 9/12** (2006.01); **C07F 9/14** (2006.01); **C07F 9/42** (2006.01); **C08K 5/523** (2006.01)

CPC (source: EP)

**C07F 9/12** (2013.01); **C07F 9/14** (2013.01); **C07F 9/42** (2013.01); **C08K 5/52** (2013.01); **C08K 5/523** (2013.01)

Citation (search report)

- FR 1502426 A 19671118 - BUSH BOAKE ALLEN LTD
- GB 837680 A 19600615 - CELANESE CORP
- FR 1262302 A 19610526 - SOCONY MOBIL OLL COMPANY
- FR 1567435 A 19690516
- FR 2211491 A1 19740719 - MONSANTO CO [US]
- US 2596141 A 19520513 - GAMRATH HARRY R, et al

Cited by

EP0025720A1

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BE DE FR GB SE

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