

Title (en)  
USE OF ESTERS OR AMIDES OF BENZOYLBENZOIC ACIDS AS PHOTOINITIATORS AND PHOTOPOLYMERISABLE COMPOSITION CONTAINING THEM

Publication  
**EP 0000705 B1 19810211 (EN)**

Application  
**EP 78100370 A 19780711**

Priority  
US 81708977 A 19770718

Abstract (en)  
[origin: US4080275A] {PG,1 A photopolymerizable composition comprising photopolymerizable ethylenically unsaturated compounds and, as the photoinitiator, a benzoyl benzoate having the formula: {r1 {tc,1 {rb R{40 {HD n{us,12 {bn,33 {bl,e {rd,11447799ccff/135 {a,4 {bn,4 {sd,5 {s,5 {m,1 {ad,0 O{MR,1 C{US,5 {BN,4 {RD,11447799CCFF/135 {A,4 {BL,A {BN,55 {SD,11 {S,5 R{40 {HD m{a,4 {bn,4 {sd,5 {s,5 {m,2 {ad,0 O{MR,2 C{AB,4 X{RE {PS {PS wherein X is OR, NHR or NRR; R is an independently selected hydrocarbon of 1 to 30 carbon atoms, alkoxy-substituted alkyl of 2 to 12 carbon atoms or aminosubstituted alkyl of 2 to 12 carbon atoms; R{40 {0 is an independently selected halogen or X; and {i n {l and {i m {l are independently selected integers from 0 to 3.

IPC 1-7  
**C08F 2/50**; **G03C 1/68**

IPC 8 full level  
**C07C 45/46** (2006.01); **C07C 45/63** (2006.01); **C08F 2/00** (2006.01); **C07C 49/784** (2006.01); **C08F 2/46** (2006.01); **C08F 2/50** (2006.01); **G03F 7/031** (2006.01)

CPC (source: EP US)  
**C07C 45/46** (2013.01 - EP US); **C07C 45/63** (2013.01 - EP US); **C07C 49/784** (2013.01 - EP US); **C08F 2/50** (2013.01 - EP US); **G03F 7/031** (2013.01 - EP US); **Y10S 430/124** (2013.01 - EP US); **Y10S 525/922** (2013.01 - EP US)

C-Set (source: EP US)  
1. **C07C 45/46 + C07C 49/784**  
2. **C07C 45/63 + C07C 49/813**

Cited by  
EP0458197A3

Designated contracting state (EPC)  
BE CH DE FR GB NL SE

DOCDB simple family (publication)  
**US 4080275 A 19780321**; AU 3775078 A 19800110; DE 2860465 D1 19810326; DK 320878 A 19790119; EP 0000705 A1 19790221; EP 0000705 B1 19810211; IT 1105905 B 19851111; IT 7850311 A0 19780714; JP S5421480 A 19790217; PH 13437 A 19800423; ZA 783854 B 19790725

DOCDB simple family (application)  
**US 81708977 A 19770718**; AU 3775078 A 19780704; DE 2860465 T 19780711; DK 320878 A 19780718; EP 78100370 A 19780711; IT 5031178 A 19780714; JP 8284378 A 19780707; PH 21377 A 19780714; ZA 783854 A 19780705