

Title (en)
Calixarenes as charge control agents and toner

Title (de)
Calixarene als Ladungsstabilisatoren und Toner

Title (fr)
Calixarènes comme agent de contrôle de charge et toner

Publication
EP 0712049 A1 19960515 (EN)

Application
EP 95117332 A 19951103

Priority
JP 30286194 A 19941111

Abstract (en)
Charge control agent and toner for developing electrostatic images comprising the agent whose active ingredient is calix(n)arene compound of formula $\text{AIÜ: } \langle \text{CHEM} \rangle x+y=n$, x, y: integer of 1 or more; n: integer of 4 to 8; x repeat units and y repeat units can be arranged in any order; R<1>, R<2> is H, C1-12 alkyl, C7-12 aralkyl, phenyl, C4-8 cycloalkyl, halogen, nitro, amino, alkyl - or phenyl - substituted amino, - Si(CH₃)₃ or - SO₃H; of the n R radicals in the n - OR groups, 1 to (n - 1) are H, the remaining (n - 1) to 1 being alkyl, phenyl, aralkyl, cycloalkyl, - COR<3> ÄR<3>: H, alkyl, phenyl, aralkyl, or cycloalkylÜ, - Si(CH₃)₃, - (CH₂)_mCOOR<4> ÄR<4>: H or lower alkyl; m: integer of 1 to 3Ü, - (CH₂CH₂O)_rH Är: integer of 1 to 10Ü, or $\langle \text{CHEM} \rangle \text{Äq: integer of 1 to 10Ün}$

IPC 1-7
G03G 9/097

IPC 8 full level
G03G 9/09 (2006.01); **G03G 9/097** (2006.01)

CPC (source: EP)
G03G 9/09733 (2013.01); **G03G 9/09775** (2013.01)

Citation (search report)

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