

Title (en)
PROCESS AND COMPOUNDS FOR APPLYING ACCELERATED AND GRAIN-REFINED PHOSPHATE COATINGS TO METALLIC SURFACES

Publication
EP 0134895 B1 19881130 (DE)

Application
EP 84105731 A 19840519

Priority
DE 3325974 A 19830719

Abstract (en)
[origin: US4680064A] Phosphate conversion coating accelerators consisting essentially of amidosulfonic acid, N-substitution products and salts thereof, sulfonamides, 1,2,3-oxathiazin-4(3H)-one salts or 6-alkyl derivatives thereof, and ortho-aniline sulfonic acid or its derivatives aklyl-substituted on the ring and salts thereof, and mixtures of the foregoing, and a process for their use.

IPC 1-7
C23C 22/08; **C23C 22/42**

IPC 8 full level
C23C 22/08 (2006.01); **C23C 22/12** (2006.01); **C23C 22/14** (2006.01); **C23C 22/17** (2006.01); **C23C 22/42** (2006.01)

CPC (source: EP US)
C23C 22/08 (2013.01 - EP US); **C23C 22/12** (2013.01 - EP US); **C23C 22/14** (2013.01 - EP US); **C23C 22/17** (2013.01 - EP US); **C23C 22/42** (2013.01 - EP US)

Citation (examination)
US 3923554 A 19751202 - ZIEMBA VICTOR F

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DE102006024614A1; EP0261519A1; US4775427A; WO9413856A1

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US 4680064 A 19870714; AT E39003 T1 19881215; AU 3078384 A 19850124; AU 567748 B2 19871203; BR 8403587 A 19850625; CA 1236952 A 19880524; DE 3325974 A1 19850131; DE 3475412 D1 19890105; EP 0134895 A1 19850327; EP 0134895 B1 19881130; ES 534422 A0 19851016; ES 8600972 A1 19851016; FI 77268 B 19881031; FI 77268 C 19890210; FI 842886 A0 19840718; FI 842886 A 19850120; JP S6039168 A 19850228; ZA 845551 B 19850327

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US 78131685 A 19850927; AT 84105731 T 19840519; AU 3078384 A 19840718; BR 8403587 A 19840718; CA 459189 A 19840718; DE 3325974 A 19830719; DE 3475412 T 19840519; EP 84105731 A 19840519; ES 534422 A 19840718; FI 842886 A 19840718; JP 15111284 A 19840719; ZA 845551 A 19840718