

Title (en)
PHOSPHINITES

Title (de)
PHOSPHINITE

Title (fr)
PHOSPHINITES

Publication
EP 1438133 A1 20040721 (DE)

Application
EP 02801309 A 20021004

Priority
• DE 10150286 A 20011012
• EP 0211108 W 20021004

Abstract (en)
[origin: DE10150286A1] Bisphosphinites (I) are new. Bisphosphinites of formula (Ar)₂P-O-Q-O-O(Ar)₂ (I) are new; Ar = phenyl substituted with 0-2 of F, Cl or CF₃; Q = a group of formula (i)-(iii). Independent claims are also included for: (1) transition metal complexes of (I); (2) production of transition metal complexes of (I) by reacting a transition metal or transition metal compound with (I); (3) addition of hydrogen cyanide to an olefinic double bond in the presence of a catalyst which is a complex as above; (4) isomerization of organic nitriles in the presence of a catalyst which is a complex as above. R<1>, R<2>, R<4> = H, 1-8C alkyl, 2-8C alkenyl or 1-8C alkoxy, but not all H; R<3> = H or Me.

IPC 1-7
B01J 31/18; **C07C 253/10**; **C07F 9/50**

IPC 8 full level
B01J 31/22 (2006.01); **B01J 31/18** (2006.01); **C07B 61/00** (2006.01); **C07C 253/10** (2006.01); **C07C 253/30** (2006.01); **C07C 255/04** (2006.01); **C07C 255/07** (2006.01); **C07F 9/46** (2006.01); **C07F 15/04** (2006.01)

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Citation (search report)
See references of WO 03033142A1

Cited by
US9040733B2; US9040734B2; US9045391B2; US9051241B2; US9051242B2; US9133107B2; US9133108B2; US9169197B2

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