

Title (en)
BISPHOSPHINIC METAL COMPLEXES, PROCESS FOR THEIR PREPARATION, HYDROGENATION CATALYSTS FROM THESE COMPOUNDS,
AND A HYDROGENATION PROCESS EMPLOYING THESE CATALYSTS

Publication
EP 0000403 B1 19810617 (DE)

Application
EP 78100422 A 19780718

Priority
• GB 7828154 A 19780628
• US 81623577 A 19770718

Abstract (en)
[origin: EP0000403A1] 1. A compound of the formula see diagramm : EP0000403,P20,F2 wherein R**3 and R**4 are C1 -C20 alkyl or aryl, namely phenyl, naphthyl, anthryl, phenanthryl or azulyl ; Y' is carbon ; Q**1 and Q**2 are methylene or oxygen ; P is phosphorus ; Ar is substituted or unsubstituted aryl, namely phenyl, naphthyl, anthryl, phenanthryl or azulyl ; M is a Group Ib or IIb metal ; X is halide ; perchlorate, tetra(fluoro or chloro)borate, hexa(fluoro or chloro)phosphate, or hexa(fluoro or chloro)-antimonate or tetraphenylborate ; n is 0 or 1, with the proviso that when n = 0, Q**1 and Q**2 are methylene and the broken line is a carbon-carbon bond and when n = 1, Q**1 and Q**2 are oxygen where each oxygen is bonded to Y' ; u is an integer from 1 to 3 ; r and s are 1 or 2 depending on the valence of M and the value of u or the dimers or oligomers thereof.

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C07F 9/50; **B01J 31/24**

IPC 8 full level
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Cited by
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