

Example of Manual Code application – Metallocenes

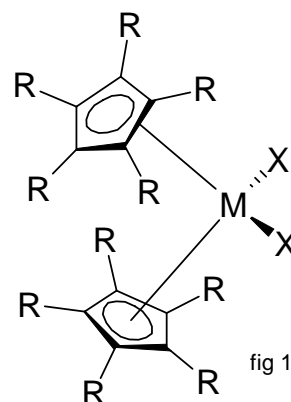
Thomson Scientific Manual Codes are applied to cover the novel technical details disclosed within the patent, and the invention's application.

In January of this year, the codes were revised to ensure that they reflect the very latest technological developments, including the addition of new codes to cover metallocenes. (For the full list of revisions, go to: www.scientific.thomson.com/media/scpdf/cpi-2005-codes-final.pdf).

When metallocenes first appeared in section E (Derwent week 197115) manual codes were applied only to cover the metal held at the centre of the pi-arene ligand sandwich, normally a transition metal e.g. Titanium, Zirconium etc. (see figure 1).

Over the years the ring systems have developed from cyclopentadienyl ring systems to indenyl, fluorenyl, bridged rings, mono-cyclopentadienyl with associated nitrogen functionalities, bis-cyclopentadienyl, silicon atoms in bridges, etc., however the metals remained basically the same.

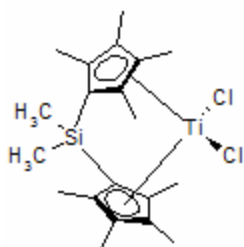
So during the manual code revision, implemented in early 2005, we introduced new codes to cover the basic structure of the ring systems.



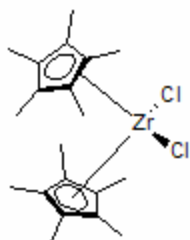
E05-V - General metallocene

- ↳E05-V01 - Unbridged metallocene with 2-4 pi-arene ligands
- ↳E05-V02 - Bridged carbocyclic metallocenes
- ↳E05-V03 - Carbocyclic metallocenes with only 1 pi-arene ligand
- ↳E05-V04 - Metallocene with heteroatom-containing rings
- ↳E05-V05 - Condensed carbocyclic metallocenes

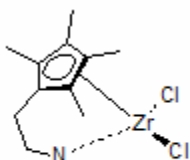
These new codes are applied in addition to the codes to cover the metal, and give searchers the added capability of searching for more specifically claimed metallocene systems. For example:



Would previously have coded as just E05-L01 and E05-E01A, now it would code E 05-L01, E 05-E0 1A and E 05-V02



Would previously have coded as E 05-M01, now it would code E 05-M01 and E 05-V01



Would previously have coded as E05-M01, now it would code E05-M01 and E 05-V03

Thomson Scientific is committed to yearly revisions of the codes, and welcomes any suggestions from users. If you would like to submit suggestions, please send them to us at: cpicode.revision@derwent.co.uk