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(54) Title: OLEFIN POLYMERIZATION PROCESS

(57) Abstract: A process for polymerizing ethylene is disclosed. The process comprises polymerizing ethylene in the presence of a catalyst system which comprises a bridged indenindolyl transition metal complex on a support material, an alkylalumoxane, a titanium tetrakoxide, and a branched alkyl aluminum compound. The process provides polyethylenes with low density from ethylene alone.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C08F10/00 C08F4/659 C08F4/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	ZHU, BOCHAO ET AL: "In situ copolymerization of ethylene to produce linear low-density polyethylene by Ti(Obu) ₄ /AlEt ₃ -MAO/SiO ₂ /Et(Ind) ₂ ZrCl ₂ " JOURNAL OF APPLIED POLYMER SCIENCE, 94(6), 2451-2455 CODEN: JAPNAB; ISSN: 0021-8995, 2004, XP008086458 cited in the application page 2452; table 1 page 2453	1-20

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 4 701 432 A (WELBORN JR HOWARD C [US]) 20 October 1987 (1987-10-20) cited in the application example 4	1-20

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