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(54) Title: METAL SALTS OF HEXAHYDROPHITALIC ACID AS NUCLEATING ADDITIVES FOR CRYSTALLINE THERMOPLASTICS

(57) Abstract: Compounds and compositions comprising specific metal salts of hexahydrophthalic acid (HHIPA) in order to provide highly desirable properties within thermoplastic articles are provided. The inventive HHIPA derivatives are useful as nucleating and/or clarifying agents for such thermoplastics, are practical and easy to handle. Such compounds provide excellent crystallization temperatures, stiffness, and acid scavenger compatibility within target polyolefins. Also, such compounds exhibit very low hygroscopicity and therefore excellent shelf stability as powdered or granular formulations. Thermoplastic additive compositions and methods of producing polymers with such compounds are also contemplated within this invention.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C08K 5/05, 5/09
US CL : 594/394

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)

U.S. : 594/394

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 practicable, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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* Further documents are listed in the continuation of Box C. See patent family annex.

Date of the actual completion of the international search

06 NOVEMBER 2002

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