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(54) Title: ATOMIC LAYER DEPOSITION USING LAKALINE EARTH METAL BETA-DIKETIMINATE PRECURSORS

(57) Abstract: The present invention provides atomic layer deposition systems and methods that include metal compounds with at least one β -diketiminatate ligand. Such systems and methods can be useful for depositing metal-containing layers on substrates.



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A CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

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C23C HO1L

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

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EPO-Internal

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Category*	Citation of document with indication where appropriate of the relevant passages	Relevant to claim No
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Y	EL-KADERI H.M., HEEG M.J., WINTER C.H. - "Sandwich complex of the Heavier Alkaline Earth Metals Containing haptic beta Diketiminato Ligand Sets" ORGANOMETALLICS, vol. 23, 14 September 2004 (2004-09-14), pages 4995-5002, XP007901335 page 4995 - page 4997 ----- -/-	1-45

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Category*	Citation of document, with indication, where appropriate of the relevant passages	Relevant to claim No
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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