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(71) Applicant *(for all designated States except US)*: **WYETH** [US/US]; Five Giralda Farms, Madison, New Jersey 07940 (US).

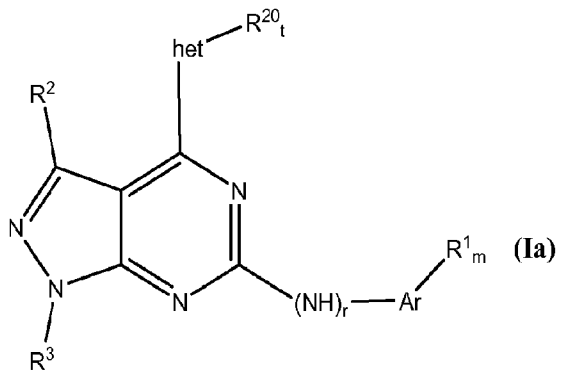
(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **ZASK, Arie** [US/US]; 291 East 90 Street, New York, New York 10128 (US). **KAPLAN, Joshua Aaron** [US/US]; 10 High Avenue, Nyack, New York 10960 (US). **VERHEIJEN, Jeroen Cunera** [NL/US]; 154 Schunnemunk Road, Highland Mills, New York 10930 (US). **CURRAN, Kevin Joseph** [US/US]; 198 Foltim Way, Congers, New York 10920 (US). **RICHARD, David James** [US/US]; 64 Old Ridge Road, Warwick, New York 10990 (US). **AYRAL-KALOUSTIAN, Semiramis** [US/US]; 484 Carrollwood Dr., Tarrytown, New York 10591 (US).

(74) Agent: **MC KENZIE, Thomas**; Wyeth, Patent Law Department, Five Giralda Farms, Madison, New Jersey 07076, (US).

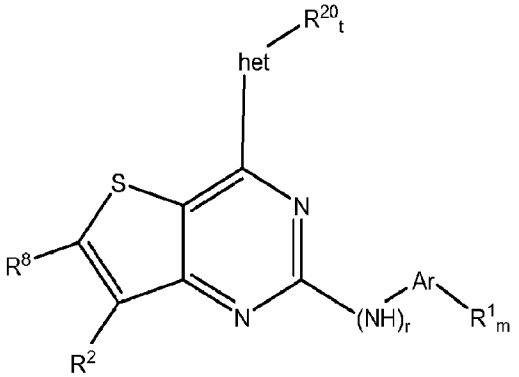
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[Continued on next page]

(54) Title: THIENOPYRIMIDINE AND PYRAZOLOPYRIMIDINE COMPOUNDS AND THEIR USE AS MTOR KINASE AND PI3 KINASE INHIBITORS



(Ia)



(IIa)

(57) Abstract: The invention relates to thienopyrimidine and pyrazolopyrimidine compounds of the Formulas (Ia) and (IIa), or a pharmaceutically acceptable salt thereof, wherein the constituent variables are as defined herein compositions comprising the compounds, and methods for making and using the compounds.

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