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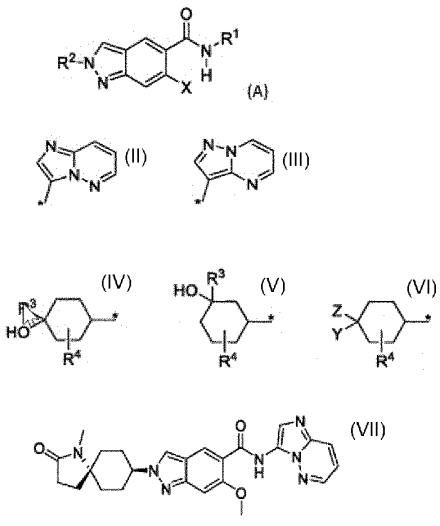
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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

(54) Title: N-(IMIDAZO[1,2-B]PYRIDAZIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE AND N-(PYRAZOLO[1,5-A]PYRIMIDIN-3-YL)-1-CYCLOHEXYL-2H-INDAZOLE-5-CARBOXAMIDE DERIVATIVES AS IRAK4 INHIBITORS FOR THE TREATMENT OF ASTHMA



(57) Abstract: The present application relates to a compound of Formula (A),wherein R1 is selected from Formula (II) and Formula (III) and R2 is selected from Formula (IV), Formula (V) and Formula (VI) as IRAK4 inhibitors for use in methods of treatment of e.g. asthma and chronic obstructive pulmonary disease (COPD), cancer, inflammatory diseases, and autoinflammatory/autoimmune diseases such as e.g. systemic lupus erythematosus, rheumatoid arthritis, myositis, Sjogren's syndrome, systemic sclerosis, gout, endometriosis, atopic dermatitis and psoriasis. Preferred compounds of the present invention are e.g.: • N-(imidazo[1,2-b]pyridazin-3-yl)-1-cyclohexyl-2H-indazole-5-carboxamide, • N-(pyrazolo[1,5-a]pyrimidin-3-yl)-1-cyclohexyl-2H-indazole -5- carboxamide, • N-(imidazo[1,2-b]pyridazin-3-yl)-1-azaspiro[4.5]decan-8-yl-2H- indazole-5-carboxamide, and • N-(pyrazolo[1,5-a]pyrimidin-3-yl)-1-azaspiro[4.5]decan-8-yl-2H- indazole-5-carboxamide derivatives. An exemplary compound of the present invention is e.g. N- (imidazo[1,2-b]pyridazin-3-yl)-6-methoxy-2-((5r,8r)-1-methyl-2-oxo-1- azaspiro[4.5]decan-8-yl)-2H-indazole-5-carboxamide (Example 1): Formula (VII).

WO 2022/122876 A1

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