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| Ministry of Justice Israel Patent Office | Search Strategy (ISA/IL) |
| PCT Application Number: PCT/US2020/030435 | |
| Examiner name: Umberto Pace | Completion Date: 26 July 2020 |

| Search Details | | |
|--|---|----------|
| Search Description | Status | Comments |
| Search restricted by date | <input checked="" type="checkbox"/> None | |
| Documents cited in the application | <input type="checkbox"/> Considered <input checked="" type="checkbox"/> Not applicable | |
| Applications/publications of the same applicant(s)/inventor(s) | <input checked="" type="checkbox"/> Searched | |
| Earlier search results | <input type="checkbox"/> Considered <input checked="" type="checkbox"/> Not applicable | |

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| AI-based patent search |
| <input type="checkbox"/> An AI-based search was carried out based on the full text (title, abstract, claims, description) |

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| Database 1 (Patents): | | | |
| <input checked="" type="checkbox"/> Derwent Innovation | <input type="checkbox"/> Orbit (FamPat) | <input type="checkbox"/> PatBase | <input checked="" type="checkbox"/> STN – Patent Collection |
| <input type="checkbox"/> PATENTSCOPE | <input checked="" type="checkbox"/> Espacenet | <input checked="" type="checkbox"/> Google Patents | <input type="checkbox"/> Other: |
| Query: (cd19 OR cd20 OR cd22) AND "chimeric antigen receptor" AND "co-stimulatory signaling domain" CAR-T AND (ymnm OR prrp OR pyap) car-t AND "ebv sensitized" ITAM mutant "cd3-zeta" "chimeric antigen receptor" "car t cell" AND cd19 AND (GPC3 OR MAGE-A1 OR MAGE-A2 OR MAGE-C2 OR SSX-2 OR Ny-ES0-1 OR hTERT) AND "bi specific" | | | |



Database 2 (Non-Patent Literature):

| | | | |
|--|---|--------------------------------------|-------------------------------|
| <input checked="" type="checkbox"/> STN-NPL | <input type="checkbox"/> Orbit-NPL | <input type="checkbox"/> PatBase-NPL | <input type="checkbox"/> IEEE |
| <input checked="" type="checkbox"/> Google Scholar | <input type="checkbox"/> Technical Disclosure Commons | <input type="checkbox"/> Other: | |

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car-t AND "ebv sensitized"
ITAM mutant "cd3-zeta" "chimeric antigen receptor"
"car t cell" AND cd19 AND (GPC3 OR MAGE-A1 OR MAGE-A2 OR MAGE-C2 OR SSX-2 OR Ny-ES0-1 OR hTERT) AND "bi specific"

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