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- (71) Applicant: **SLEEP NUMBER CORPORATION**  
[US/US]; 1001 Third Avenue South, Minneapolis, Min-  
nesota 55404 (US).
- (72) Inventors: **GARCIA MOLINA, Gary N.**; 2853 Interlak-  
en Pass, Madison, Wisconsin 53719 (US). **HINO, Yuki**;  
7550 St. Patrick Way Apt 516, Dublin, California 94568

- (US). **PEDERSEN, Dillon**; 765 N Hampden Ave Apt  
616, Saint Paul, Minnesota 55114 (US). **BARR, Shawn**;  
88 Bush Street, Unit 1155, San Jose, California 95126  
(US). **KARSCHNIK, Kody Lee**; 5415 Black Oaks Ln N,  
Plymouth, Minnesota 55446 (US). **SIYAHIANI, Farzad**;  
347 Vista Roma Way, San Jose, California 95136 (US).  
**GRABINGER, Cory Lee**; 6345 Eagle Lake Drive, Maple  
Grove, Minnesota 55369 (US).
- (74) Agent: **NELSON, Stuart A.**; P.O. Box 1022, Minneapolis,  
Minnesota 55440-1022 (US).
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(54) Title: BED HAVING FEATURES FOR DETERMINING AND MODIFYING TEMPURATURE OF A SLEEP ENVIRON-  
MENT

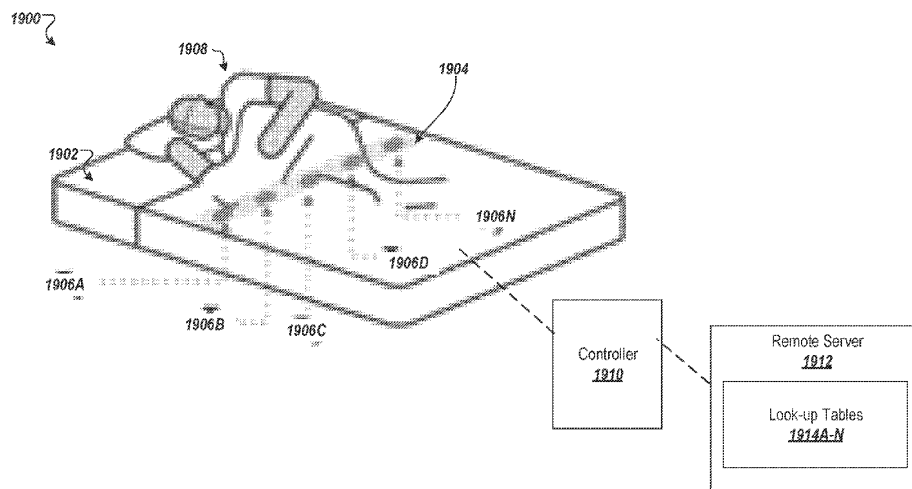


FIG. 19A

(57) Abstract: A distal-proximal temperature-gradient of a sleeper is determined. A bed has a mattress. Temperature sensors are in an array. Each sensor is configured to: sense surface temperature of the sleeper of the bed, transmit, to a controller, temperature readings. The system also includes a controller may include a processor and memory, the controller configured to: receive, from each of the sensors, temperature readings at a particular time, access, for each temperature reading, a corresponding weight-value, determine the distal-proximal temperature-gradient for the sleeper at the particular time using the temperature readings and the corresponding weight-values.

[Continued on next page]

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