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(71) Applicant: **RONAWK, INC.** [US/US]; 500 N. Rogers Road, Suite 500-B20, Olathe, Kansas 66062 (US).

(72) Inventors: **MELLOTT, Adam J.**; 9304 NW 59th Terr, Parkville, Missouri 64152 (US). **HODGE, Jacob G.**; 5905 Perry Avenue, Merriam, Kansas 66203 (US). **DECKER, Heather E.**; 3121 N. 131st St., Kansas City, Kansas 66109 (US). **ROBINSON, Jennifer L.**; 14648 36th Ct., NE, Lake Forest Park, Washington 98155 (US). **ZAMIEROWSKI, David S.**; 13203 Lamar Ave., Overland Park, Kansas 66209 (US).

(74) Agent: **JOHNSON, III, John E.** et al.; Burr & Forman LLP, Customer No. 148433, One South at the Plaza, 101 South Tryon Street, Suite 2610, Charlotte, North Carolina 28280 (US).

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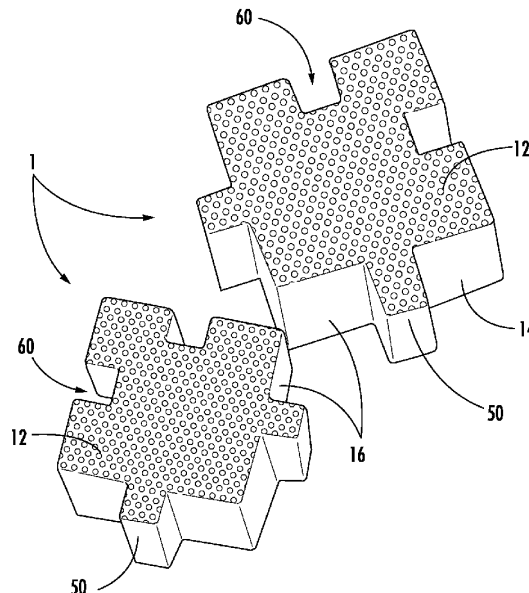


FIG. 1

(57) Abstract: Methods of externally reprogramming how cells behave and which biological factors are secreted from cells, such as by introducing an external (controllable) stimuli for obtaining a desired outcome for producing a target biological factor, are provided.

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