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61/175,670 5 May 2009 (05.05.2009) US(71) Applicant (for all designated States except US): **HERMAN MILLER, INC.** [US/US]; 855 East Main Avenue, P.O. Box 302, Zeeland, MI 49464-0302 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BRILL, Ryan, S.** [US/US]; 12338 Joshua Court, Allendale, MI 49401 (US). **HILL, Christopher, C.** [US/US]; 10320 Filmore Street, Zeeland, MI 49464 (US). **SLAGH, James, D.** [US/US]; 5240 143rd Avenue, Holland, MI 49423 (US). **ALDRICH, John, F.** [US/US]; 3014 Tansy Trail, Grandville, MI 49418 (US). **COFFIELD, Timothy, P.**[US/US]; 2747 Cascade Springs, Grand Rapids, MI 49546 (US). **HARTMANN, Andrew, B.** [US/US]; 2281 Blodgett Street, Muskegon, MI 49441 (US). **WASHBURN, Kelly, E.** [US/US]; 2164 114th Avenue, Allegan, MI 49010 (US). **STANTON, Michael, D., Sr.** [US/US]; 340 Glenwoods Court N.E., Rockford, MI 49341 (US).(74) Agent: **DEMILLE, Rickard, K.**; Brinks Hofer Gilson & Lione, P.O. Box 10087, Chicago, IL 60610 (US).

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(54) Title: MULTI-LAYERED SUPPORT STRUCTURE

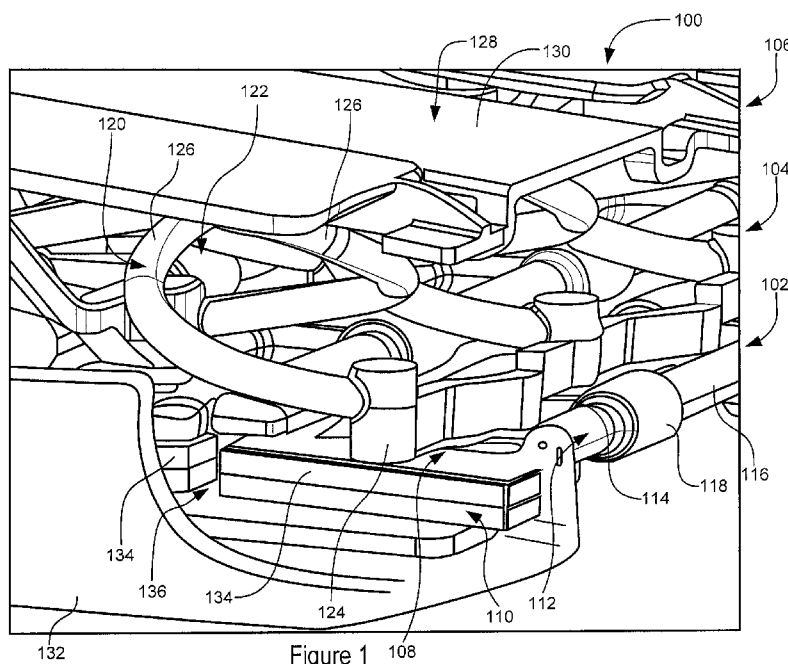


Figure 1

(57) Abstract: A multi-layered support structure provides ergonomic, adaptable seating support. The multi-layered support structure includes multiple cooperative layers to maximize global comfort and support while enhancing adaptation to localized variations in a load, such as in the load applied when a person sits in a chair. The cooperative layers each include elements such as pixels, springs, support rails, and other elements to provide this adaptable comfort and support. The multi-layered support structure also uses aligned material to provide a flexible yet durable support structure. Accordingly, the multi-layered support structure provides maximum comfort for a wide range of body shapes and sizes.



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