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PUST, Ladislav; 5695 South Park Drive, Savage, MN 55378 (US). **MACK, Anthony, M.**; 4429 Xerxes Avenue South, Minneapolis, MN 55410 (US).

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(74) Agents: **BOHN, David, C.** et al.; Westman, Champlin & Kelly, P.A., Suite 1600 - International Centre, 900 Second Avenue South, Minneapolis, MN 55402-3319 (US).

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(71) Applicant: **SEAGATE TECHNOLOGY LLC** [US/US];
920 Disc Drive, Scotts Valley, CA 95066 (US).

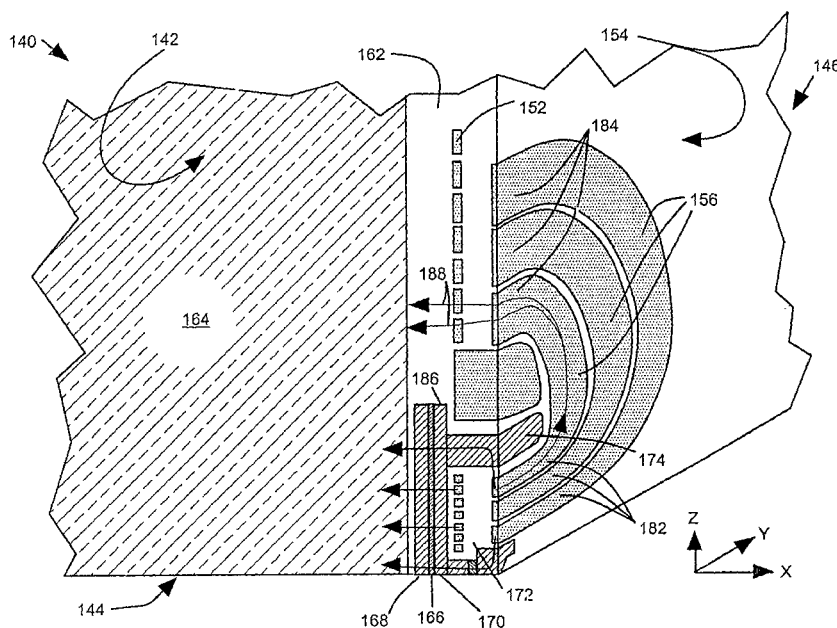
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(72) Inventors: **REA, Christopher, J.**; 6418 City West Parkway, Apartment 1211, Eden Prairie, MN 55344 (US).

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(54) Title: DISC DRIVE WITH LAYERED WRITE COIL



(57) **Abstract:** A disc drive (100) includes a disc (126) and a read/write head (140) accessing the disc. The head includes a thermally conductive substrate (164) and a write coil window (172) surrounded by a shared pole piece (170) thermally coupled to the substrate, a central core (174), a write pole piece (160) and a write gap (176). A bottom coil (152) adjacent the shared pole piece has multiple turns that have bottom narrowed regions (180) passing through the window. A top coil (156) adjacent the write pole piece has multiple turns that have top narrowed regions (182) passing through the window. The top turns are fewer in number and flattened relative to the bottom turns.