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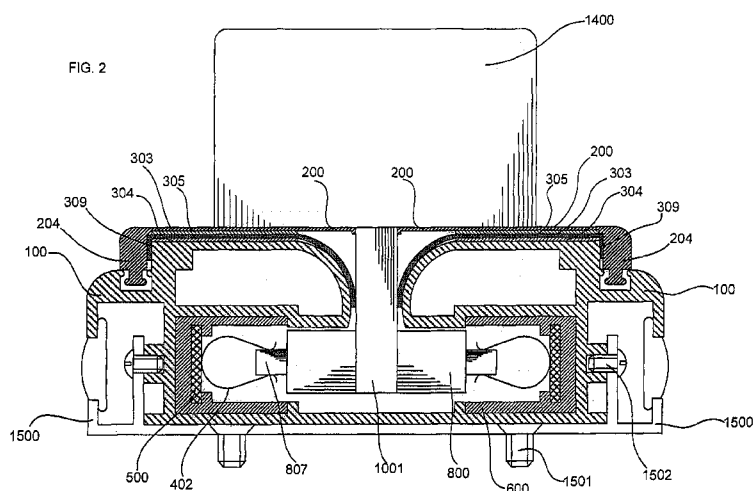
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(54) Title: ELECTRICAL POWER DISTRIBUTION TRACK SYSTEM



(57) Abstract: An electrical power distribution housing (100) has an elongate opening (104) intended to allow the adapters/plugs (1400) to be inserted to receive electrical power at any point along the housing. A springleaf assembly (300) is mounted adjacent to the elongate opening (104) and extend to close the elongate opening (104) during a non-use situation. A safety grounding plate (200) is mounted on top of the springleaf assembly (300). Power conductors comprising multiple clips (402) are mounted conductor compartments (102) within the housing (100). When an adapter/plug (1400) is inserted into the housing (100) through the elongate opening (104), limbs (1001) will force the corresponding springleaf (301) to open by flexing it onto a springleaf profile (101). The adapter/plug (1400) rotates to "closed" position to slide a contact (807) into engagement with a corresponding contact (402) of the power conductor. When the adapter/plug (1400) rotates to an "open" position and is removed from the elongate opening (104), the corresponding springleaf (301) will return and to close the elongate opening (104).



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