

Title (en)
TROUGH COLLECTOR FOR A SOLAR POWER PLANT

Title (de)
RINNENKOLLEKTOR FÜR EIN SOLARKRAFTWERK

Title (fr)
COLLECTEUR EN AUGES POUR CENTRALE SOLAIRE

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Application
EP 09741648 A 20090506

Priority

- CH 2009000147 W 20090506
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- CH 13412008 A 20080822

Abstract (en)
[origin: WO2009135330A1] The invention relates to a trough collector (1) for a solar power plant, comprising a mount (34) carrying a supporting structure (30), means disposed on the supporting structure (30) for providing heat originating from incident solar radiation, and a pivot device (40) that is fixed to the supporting structure (30) and is used to pivot the supporting structure (30) with respect to the mount (34), wherein the centroidal axis (36) of the supporting structure (30) equipped with the means for providing the heat is located outside the pivot axis of the supporting structure (30), and wherein the pivot device (40) is configured such that the centroidal axis (39) of the fully equipped supporting structure (30) is located in the region of a fixed pivot axis (35). In this way, a simple, cost-effective, and zero-backlash pivot drive for the trough collector is obtained.

IPC 8 full level
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Citation (search report)
See references of WO 2009135330A1

Citation (examination)

- WO 2004066401 A2 20040805 - HOELLE ERWIN [DE], et al
- WO 2007087680 A1 20070809 - MIRALITE PTY LTD [AU], et al

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