

Title (en)
SELF-CONTAINED TEMPERATURE-REGULATING SYSTEM FOR STREET FURNITURE

Title (de)
AUTONOMES TEMPERATURSTEUERUNGSSYSTEM FÜR STADTINVENTARSTÜCKE

Title (fr)
SYSTÈME AUTONOME SERVANT À TEMPÉRER LA TEMPÉRATURE DE MOBILIER URBAIN

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Application
EP 09827203 A 20091028

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Abstract (en)
[origin: WO2010058042A1] The invention relates to a system whereby street furniture is provided with one or more radiating circuits (12) through which a suitably temperature-regulated fluid flows in order to irradiate a constant temperature to users. The street furniture (6) includes a secondary circuit having an outgoing line (7) and a return line (8) for the fluid supplied by an inter-accumulator (1) accessed by the fluid supplied by an energy source which may be formed by solar panels (2) or even a geothermal heat pump (15), forming the primary circuit (3) which incorporates a geothermal exchanger (5) for dissipating the excess heat in the fluid supply.

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Citation (search report)
• [X] WO 0111291 A1 20010215 - WEHRLY JOHN DALE [US], et al
• [X] DE 19511753 A1 19961002 - LAUBE STEFFEN [DE]
• [A] DE 3803903 A1 19890817 - WEITHAS FRITZ [DE]
• [A] DE 4343981 A1 19940818 - KOENINGER ERNST [CH]
• See references of WO 2010058042A1

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