

Title (en)
Urban remote surveillance system for street lamps

Title (de)
Überwachungssystem von Strassenlampen

Title (fr)
Système de surveillance de réverbères

Publication
EP 1251721 A1 20021023 (EN)

Application
EP 01830235 A 20010404

Priority
EP 01830235 A 20010404

Abstract (en)
Urban remote-surveillance system for street lamps, in which a concentrator module (1) sends, using a very low power transceiver, by means of a polling procedure, a message to each of a plurality of remote-control modules (7,8,9,10) equipped with a very low power transceiver and organized in a hierarchical tree structure, defining in the message the destination module and a receiving/transmitting path consisting of a plurality of intermediate modules able to communicate with each other in succession, at the same frequency and without mutual interference, so as to obtain the necessary geographical coverage also using very low power transceivers. <IMAGE>

IPC 1-7
H05B 37/00; G06F 13/36; G06F 17/00; H05B 41/00

IPC 8 full level
H05B 37/02 (2006.01); **H05B 37/03** (2006.01)

CPC (source: EP US)
H05B 47/15 (2020.01 - EP US); **H05B 47/19** (2020.01 - EP US); **H05B 47/22** (2020.01 - EP US)

Citation (search report)
• [XA] US 5371859 A 19941206 - LENNARTSSON KENT [SE]
• [A] US 4425628 A 19840110 - BEDARD JAMES F [US], et al
• [A] US 5936362 A 19990810 - ALT LARRY G [US], et al

Cited by
DE102012204579C5; WO2005001585A1; ITRM20130086A1; FR2899035A1; FR2899057A1; FR2919946A1; ES2294945A1; CN102334386A;
DE102014102678A1; CN105309049A; DE102014102678B4; US10098207B2; US8427076B2; US8421588B1; US10049565B1; EP2642828A1;
DE102012204579A1; DE102012204579B4; EP3179834A1; WO2010101370A3; WO2007107677A3; WO2010097737A1; WO2004056157A1;
WO2010010493A3; WO2007145985A3; WO2007107678A3; WO2004100617A1; US9418543B1; US7847706B1; US8791649B2;
WO2014122408A1; EP2064926B1; WO2023164130A1; US6927547B2; US9265131B2; EP2954254B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1251721 A1 20021023; EP 1251721 A8 20030219

DOCDB simple family (application)
EP 01830235 A 20010404