

Title (en)
Temperature indicating device

Title (de)
Temperaturanzeigeeinrichtung

Title (fr)
Dispositif indicateur de température

Publication
EP 1182405 A1 20020227 (DE)

Application
EP 01119098 A 20010808

Priority
DE 10040321 A 20000817

Abstract (en)
The temperature indicator uses color bands to indicate the temperature. This is achieved by sandwiching a thermochromatic layer (9) between two layers (6, 7, 8) of the multilaminar glass door (1). The colors change over a range between minus 25 degrees C and plus 120 degrees C. The thermochromatic layer may be applied directly onto one of the glass layers.

Abstract (de)
Die vorliegende Erfindung beschreibt eine Temperaturanzeigeeinrichtung an einer Glastür einer Heiz- und/oder Kühlvorrichtung, wobei eine Farbänderung zur Temperaturanzeige dient und wobei zwischen zwei Scheiben (6,7) der zwei- oder mehrscheibigen Glastür (1) eine thermochrome Schicht (9) vorgesehen ist. <IMAGE>

IPC 1-7
F24C 15/04

IPC 8 full level
F24C 15/04 (2006.01); **F25D 29/00** (2006.01)

CPC (source: EP US)
F24C 15/04 (2013.01 - EP US); **F25D 29/00** (2013.01 - EP US); **F25D 2400/36** (2013.01 - EP US); **F25D 2700/12** (2013.01 - EP US)

Citation (applicant)
• DE 19836732 A1 20000224 - AEG HAUSGERAETE GMBH [DE]
• US 5499597 A 19960319 - KRONBERG JAMES W [US]
• WO 9726486 A1 19970724 - ELECTROLUX AB [SE], et al
• WO 9734490 A1 19970925 - ELECTROLUX AB [SE], et al
• AT 202660 B 19590325 - MATREI GERAETEWERK
• US 5589958 A 19961231 - LIEB JOSEPH A [US]
• JP H11351729 A 19991224 - DAEWOO ELECTRONICS CO LTD

Citation (search report)
• [DA] DE 19836732 A1 20000224 - AEG HAUSGERAETE GMBH [DE]
• [PA] DE 20020984 U1 20010503 - SCHOTT GLAS [DE]
• [A] DD 234298 A1 19860326 - INGBUERO ELEKTRO GERAETE VEB [DD], et al

Cited by
EP1398574A3; ITRE20120019A1; EP3647663A1; WO2016046676A1; WO2007029172A3; WO2015151039A1; WO2011134029A1; US11391467B2; EP3647663B1

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 1182405 A1 20020227; **EP 1182405 B1 20040225**; AT E260444 T1 20040315; CA 2355391 A1 20020217; DE 10040321 A1 20020411; DE 50101533 D1 20040401; ES 2215826 T3 20041016; PL 349170 A1 20020225; TR 200401190 T4 20040721; US 2002043261 A1 20020418; US 6555794 B2 20030429

DOCDB simple family (application)
EP 01119098 A 20010808; AT 01119098 T 20010808; CA 2355391 A 20010816; DE 10040321 A 20000817; DE 50101533 T 20010808; ES 01119098 T 20010808; PL 34917001 A 20010816; TR 200401190 T 20010808; US 93158601 A 20010816