

Title (en)

INFRARED ENERGY REFLECTING COMPOSITION AND METHOD OF MANUFACTURE

Title (de)

ZUSAMMENSETZUNG, DIE INFRAROTE ENERGIE REFLEKTIERT UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

COMPOSITION AMELIOREE REFLECHISSANT L'ENERGIE INFRAROUGE ET PROCEDE DE FABRICATION

Publication

EP 0932706 A1 19990804 (EN)

Application

EP 98922473 A 19980519

Priority

- US 9810457 W 19980519
- US 86288697 A 19970523
- US 86297097 A 19970523

Abstract (en)

[origin: WO9853118A1] An infrared energy reflecting enamel composition comprises a ground coat (2, 1002) of enamel on a substrate (1, 1001) and embedded TiO₂ particles (3, 1003) in the ground coat of enamel. The infrared reflecting enamel composition has an infrared energy reflectivity value of at least 80 %. A method for manufacturing the composition is also disclosed for embedding the TiO₂ in the enamel. The enamel may also comprise metal oxide particles that enhance the infrared energy reflectivity of the enamel. Further, the metal oxide particles in the enamel can be formed in several ways so as to enhance the reflectivity.

IPC 1-7

C23D 5/00; **F24C 15/00**; **C03C 8/20**

IPC 8 full level

C03C 8/20 (2006.01); **C23D 5/00** (2006.01); **F24C 15/00** (2006.01)

CPC (source: EP)

C03C 8/20 (2013.01); **C23D 5/00** (2013.01); **F24C 15/005** (2013.01)

Citation (search report)

See references of WO 9853118A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 9853118 A1 19981126; EP 0932706 A1 19990804

DOCDB simple family (application)

US 9810457 W 19980519; EP 98922473 A 19980519