

Title (en)
RESISTANCE MASSES FOR FIRING UNDER NITROGEN

Publication
EP 0327828 B1 19930922 (DE)

Application
EP 89100576 A 19890113

Priority
US 15534288 A 19880212

Abstract (en)
[origin: US4814107A] A nitrogen fireable resistor composition comprising: a. a conductive phase containing (1) a perovskite of the form $A'1-xA''xB'1-yB''yO_3$, wherein when A' is Sr; A'' is one or more of Ba, La, Y, Ca and Na, and when A' is Ba, A'' is one or more of Sr, La, Y, Ca and Na, B' is Ru and B'' is one or more of Ti, Cd, Zr, V and Co, $0 < x < 0.2$; $0 < y < 0.2$, (2) 5 to 30 weight % of a metallic copper powder, nickel metallic powder or cupric oxide, relative to the total conductive phase weight, and b. a glass phase selected from the group consisting of (a) 40 to 60 mole % SrO or BaO, 25 to 45 mole % B_2O_3 , 0 to 6 mole % ZnO, 0.25 to 2.0 mole % TiO_2 , 2 to 14 mole % SiO_2 and (b) 40 to 60 mole % SrO or BaO, 25 to 45 mole % B_2O_3 , 5 to 20 mole % Al_2O_3 , 0.25 to 2.0 mole % TiO_2 .

IPC 1-7
H01B 1/16; **H01C 17/06**

IPC 8 full level
B22F 1/00 (2006.01); **H01C 7/00** (2006.01); **H01C 17/065** (2006.01); **H01C 17/30** (2006.01)

CPC (source: EP KR US)
H01C 17/06 (2013.01 - KR); **H01C 17/0654** (2013.01 - EP US); **H01C 17/06553** (2013.01 - EP US)

Cited by
EP0548865A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
US 4814107 A 19890321; DE 58905651 D1 19931028; EP 0327828 A2 19890816; EP 0327828 A3 19910327; EP 0327828 B1 19930922; JP H01208802 A 19890822; KR 0142577 B1 19980817; KR 890013158 A 19890921

DOCDB simple family (application)
US 15534288 A 19880212; DE 58905651 T 19890113; EP 89100576 A 19890113; JP 30386588 A 19881130; KR 890001605 A 19890211