

Title (en)
HALOGEN-CONTAINING FILLERS FOR ABRASIVE ARTICLES, METHOD FOR THE PRODUCTION OF THESE FILLERS AND ABRASIVE ARTICLES CONTAINING THEM

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Application
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Priority
AT 181087 A 19870717

Abstract (en)
[origin: US4877420A] Proposed is a halogen-containing filler for abrasive bodies on the basis of at least one metal halide or metal complex salt of the formula $A_xMe_yII Me_zIII HalE.nBfCgHale.mH_2O.oNH_3$ wherein A: is an alkali metal or ammonium, x: a number of 0 to 10, MeII: Mn, C, Mg, Zn, Sn, Cu, Co or Ni, y: a number of 0 to 2, MeIII: Al, B or Ti, z: a number of 0 to 2, Hal: a halogen, E: a number of 1 to 10, n: a number of 0 to 10, B: an alkali metal or ammonium, f: a number of 0 to 1, C: Ca, Mg, Zn, Sn or Mn, g: a number of 0 to 1, e: a number of 1 to 2, m: a number of 0 to 10 and o: a number of 0 to 10, and/or at least one alkali chloroferrate (II,III) of the formula $A_xFe_{y++}Fe_{z+++}Cl_x+2y+3z$ wherein A represents an alkali metal or ammonium, x stands for a number of 1 to 10, y is a number of zero to 1 and z is a number from zero to 1 and y and z are not simultaneously zero, the ferrate preferably being formed in combination with a basic inorganic compound such as zinc oxide, potassium carbonate or sodium sulfide, and/or at least one mixture of a basic aluminum chloride with NaCl and/or KCl, which is characterized above all in that it contains at least one fluorine compound, in particular at least one fluoride, and/or at least one salt of an oxygen acid of nitrogen, phosphorus and/or sulfur; an abrasive body, in particular for metals, which contains this filler, said body containing an abrasive, a binder as well as said active, halogen-containing filler, optionally in addition to other fillers, as well as a process for the production of said filler.

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IPC 8 full level
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Cited by
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