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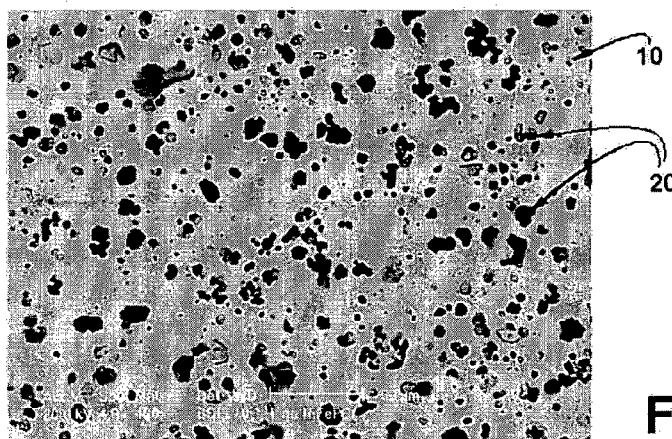
(71) Applicants (for all designated States except US):

WHIRLPOOL S.A. [BR/BR]; Avenida Nações Unidas, 12.995, 32º andar - Brooklin Novo, 04578-000 São Paulo - SP (BR). **UNIVERSIDADE FEDERAL DE SANTA CATARINA (UFSC)** [BR/BR]; Autarquia Federal de Regime Especial, Campus Universitário Reitor João David Ferreira Lima, Bairro Trindade, 88040-900 Florianópolis - SC (BR). **LUPATECH S.A.** [BR/BR]; Rua Dalton Lahn dos Reis, 201, Distrito Industrial, 95112-090 Caxias do Sul - RS (BR).

(72) Inventors; and

(75) **Inventors/Applicants (for US only):** **BINDER, Roberto** [BR/BR]; Rua Bernardo Welter, 533, Costa e Silva, 89220-230 Joinville - SC (BR). **KLEIN, Aloisio Nelmo** [BR/BR]; Rua Apeninos, 114 - Ap. 306, Edifício PlazaSevilla, Córrego Grande, 88037-620 Florianópolis - SC (BR). **BINDER, Cristiano** [BR/BR]; Rua Capitão Romualdo de Barros 694, Bloco C - Ap. 403, Carvoeira, 88040-600 Florianópolis - SC (BR). **HAMMES, Gisele** [BR/BR]; Rua Capitão Romualdo de Barros, 694, Bloco C - Ap. 403, Carvoeira, 88040-600 Florianópolis - SC (BR). **PARUCKER, Moisés Luiz** [BR/BR]; Rua Joinville, 13670, Pirabeiraba, 89239-220 Joinville - SC (BR). **RISTOW JUNIOR, Waldyr** [BR/BR]; Rua São Salvador, 85, Jardim América, 95050-430 Caxias do Sul - RS (BR).(74) **Agents:** **ARNAUD, Antonio, M., P.** et al.; Rua José Bonifácio, 93 - 9th floor, 01003-901 São Paulo - SP (BR).(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

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(54) **Title:** METALLURGICAL COMPOSITION OF PARTICULATE MATERIALS, SELF-LUBRICATING SINTERED PRODUCT AND PROCESS FOR OBTAINING SELF-LUBRICATING SINTERED PRODUCTS**FIG. 4**(57) **Abstract:** The metallurgical composition comprises a main particulate metallic material, for example iron or nickel, and at least one alloy element for hardening the main metallic material, which form a structural matrix (10); a particulate solid lubricant (20), such as graphite, hexagonal boron nitride or mixture thereof; and a particulate alloy element which is capable of forming, during the sintering of the composition conformed by compaction or by injection molding, a liquid phase, agglomerating the solid lubricant (20) in discrete particles. The composition may comprise an alloy component to stabilize the alpha-iron matrix phase, during the sintering, in order to prevent the graphite solid lubricant from being solubilized in the iron. The invention further refers to a self-lubricating sintered product, obtained from the composition, and to the process for obtaining said product.



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