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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

- (54) **Title:** RECOMBINANT HOSTS COMPRISING FERRITIN OR HOMOLOGUES THEREOF

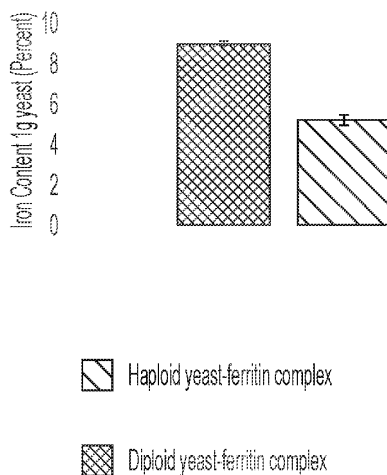


FIG. 9A

(57) **Abstract:** Disclosed herein are recombinant hosts comprising at least a first set of chromosomes and a second set of chromosomes, wherein at least one of the first set of chromosomes and the second set of chromosomes comprises a recombinant gene encoding ferritin or a homologue thereof. Also disclosed herein are recombinant hosts comprising a prototroph comprising a recombinant gene encoding ferritin or a homologue thereof. The recombinant hosts may be included in compositions, ingestible items, dietary supplements or pharmaceutical compositions. Also disclosed herein are methods of administering to a subject a composition of the present invention.

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