SLAG BLOWHOLES

Same appearance as defect B 111 (blowholes) but always accompanied by slag inclusions (defect G 122), generally localized in the upper portion of the castings.

Possible Causes
- Oxidation reactions within the liquid metal which create liquid or solid oxides and thence gases (blowholes).
- Reaction of the liquid metal and its oxides with the furnace refractories, ladle linings or materials comprising the mold.
- For cast iron, improper Mn/S ratio.

Remedies
See B 111, under phenomena of metallurgical origin.

(See bibliography)