

Information on Search Strategy - Pilot phase (see OJ 2015, A86)

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/IB2018/056780

TITLE: LOW NOX AND CO COMBUSTION BURNER METHOD AND APPARATUS

APPLICANT: JOHN ZINK COMPANY, LLC

IPC CLASSIFICATION: F23D14/02, F23D14/64, F23N5/18

EXAMINER: Hauck, Gunther

CONSULTED DATABASES: ANSERA, EPODOC, WPI, XFULL

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: F23D14/02, F23D14/64, F23N2021/10, F23N5/18, F23N2900/05003

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Method of low NOx combustion and corresponding burner; a burner tile is surrounded by a furnace environment and a primary combustion zone is defined within the burner tile for a lean, low NOx first combustion step.

Method of controlling low NOx combustion and corresponding burner system, e.g. within a furnace; a primary combustion zone is defined by a burner tile for a lean, low NOx first combustion step; flow rates are adjusted based on fuel composition and/or adiabatic flame temperature and/or measured NOx values in the furnace.