

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/EP2016/062391

TITLE: LIQUID COOLING SYSTEM AND METHOD

APPLICANT: ABB SCHWEIZ AG

IPC CLASSIFICATION: H05K7/20

EXAMINER: Seifert, Frank

CONSULTED DATABASES: WPI, EPODOC

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: H05K7/20, H05K7/20218, H05K7/20272, H05K7/20627, H05K7/20636, H05K7/20763, H05K7/20872, H05K7/20927

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

A liquid cooling system for electrical component(s) having a deaeration line connected between the high point of a liquid cooling supply branch to remove air from the cooling branches main liquid circuit. The deaeration line guides a defined percentage of the circulating liquid from the high point towards the deaeration vessel and thus bypassing the normal coolant circulation. Possible air bubbles in the system accumulate in the high point and will be removed by the deaeration system. By this set-up the continuous deaeration and thus the effectiveness of the cooling is ensured.