

ABSTRACT**PATENT OF INVENTION: "CONTROL SYSTEM AND METHOD FOR RECIPROCATING COMPRESSORS"**

The present invention relates to a control system for hermetic cooling compressor, which includes a reciprocating compressor (3) and an electronic control (2) for the reciprocating compressor (3), the electronic control (2) being configured for, after commanding the turning off of the reciprocating compressor (3), detecting whether the turn velocity (23) of the turning axle (10) is below a predefined velocity level, and then applying a braking torque (36) that causes deceleration of the turning axle (10) before completing the next turn of the turning axle (10), in case the turn velocity (23) detected is below the velocity level (34).