Title (en)

IMPROVED ABRADING WHEEL

Title (de)

VERBESSERTES SCHLEIFRAD

Title (fr)

MEULE À RODER AMÉLIORÉE

Publication

EP 3600771 B1 20220330 (EN)

Application

EP 17715119 A 20170331

Priority

EP 2017057724 W 20170331

Abstract (en)

[origin: WO2018177541A1] The present invention discloses an abrading wheel comprising a circular core having an outer periphery, a rim arranged orthogonally to said circular core on said outer periphery, said rim comprising an inner surface and an outer surface, and a grit material disposed on at least part of said outer surface. Further, a plurality of openings are arranged in the core for providing an airflow directed towards the inner surface, and wherein the outer surface of the rim is provided with a plurality of grooves, and where a main part of the grit material is disposed on said outer surface of said rim on spaces between said grooves. Thereby, the abrading wheel is cooled during operation, heat is more easily dissipated, and accumulation of particles from the product being grinded is minimised. Due to the plurality of openings in the circular core, air is forced onto the inner surface of the rim, thereby providing air cooling. Due to the presence of grooves on the outer surface, the surface area of said outer surface is inevitably increased thereby increasing the dissipation of heat and providing additional cooling to the abrading wheel. By disposing a main part of the grit material on spaces between the grooves, said grooves are kept free of grit material thereby minimising the risk of accumulation of material or particles in said grooves. The combination of cooling the abrading wheel and reducing the risk of accumulation of particles further increases the lifetime of said abrading wheel.

IPC 8 full level

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