

Title (en)

CUTTING TOOL

Title (de)

SCHNEIDWERKZEUG

Title (fr)

OUTIL DE COUPE

Publication

**EP 4385643 A1 20240619 (EN)**

Application

**EP 23154269 A 20230131**

Priority

US 202263432181 P 20221213

Abstract (en)

The invention relates to a cutting tool comprising a cutting element; wherein the cutting element is made of a composite material comprising diamond entities embedded in a cemented carbide matrix where the diamond entities are homogeneously distributed throughout the cemented carbide matrix and wherein the composite material comprises 5 - 65 volume % diamond entities and wherein at least 20% of the diamond entities contains pores and/or cracks that are filled with constituent(s) of the cemented carbide matrix. The cutting tool shows improved properties such as toughness and hardness. The invention also relates to a method of making such a composite.

IPC 8 full level

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Citation (applicant)

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