

Title (en)
ROBUST BINDER BONDED GRINDING WHEEL

Title (de)
MIT EINEM ROBUSTEN BINDEMittel GEBUNDENE SCHLEIFSCHEIBE

Title (fr)
MEULE À LIANT ROBUSTE

Publication
EP 2658682 A2 20131106 (EN)

Application
EP 11853314 A 20111228

Priority
• US 201061427577 P 20101228
• US 2011067628 W 20111228

Abstract (en)
[origin: WO2012092388A2] An abrasive tool includes a matrix material and an abrasive grain contained within the matrix material. The matrix material includes a binder and an block copolymer. The block copolymer including a binder miscible block and a binder immiscible block. The binder immiscible block of the block copolymer can form toughening domains within the matrix material. A method of forming an abrasive tool includes blending a binder powder, an block copolymer powder, and an abrasive grain to form a blended powder, shaping the blended powder, and curing the blended powder.

IPC 8 full level
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CPC (source: EP US)
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US 2011067628 W 20111228; AU 2011352122 A 20111228; BR 112013015065 A 20111228; CN 201180061620 A 20111228; CO 13170804 A 20130718; EP 11853314 A 20111228; RU 2013135448 A 20111228; TW 100149307 A 20111228; US 201113339162 A 20111228