

Title (en)

ABRASIVE ARTICLE INCLUDING A WEAR DETECTION SENSOR

Title (de)

SCHLEIFARTIKEL MIT EINEM VERSCHLEISSERKENNUNGSSENSOR

Title (fr)

ARTICLE ABRASIF COMPRENANT UN CAPTEUR DE DÉTECTION D'USURE

Publication

EP 3829815 A4 20220420 (EN)

Application

EP 19843661 A 20190802

Priority

- US 201862713685 P 20180802
- US 201962822717 P 20190322
- US 2019044978 W 20190802

Abstract (en)

[origin: US2020039027A1] An abrasive article can include a wear detection sensor embedded within the abrasive body or extending along an exterior surface of the abrasive body. The wear detection sensor can include at least one conductive lead and be designed to create one or more wear signals corresponding to the wear stage of the abrasive body. The at least one conductive lead can be coupled to a logic device, which may control the wear detection sensor and register the wear signal(s).

IPC 8 full level

B24B 49/10 (2006.01); **B24B 49/18** (2006.01); **B24D 5/02** (2006.01); **B24D 7/04** (2006.01)

CPC (source: EP KR US)

B24B 49/10 (2013.01 - EP KR US); **B24B 49/14** (2013.01 - EP US); **B24B 49/18** (2013.01 - KR); **B24D 5/02** (2013.01 - EP US); **B24D 7/04** (2013.01 - EP US); **B24D 18/0072** (2013.01 - US)

Citation (search report)

- [XP] EP 3482876 A1 20190515 - HILTI AG [LI]
- [XI] DE 10105781 A1 20010830 - GAISER CORNELIUS [DE]
- [XI] DE 102007031299 A1 20090108 - WOLTERS PETER GMBH [DE]
- [A] EP 3106260 A1 20161221 - SANDVIK INTELLECTUAL PROPERTY [SE]
- [A] DE 10105828 A1 20010809 - BALLUFF GEBHARD GMBH & CO [DE]
- See also references of WO 2020028855A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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