

Title (en)
DRILL

Title (de)
BOHRER

Title (fr)
FORET

Publication
EP 2483024 A1 20120808 (DE)

Application
EP 10768399 A 20100929

Priority
• DE 102009049087 A 20091002
• EP 2010005938 W 20100929

Abstract (en)
[origin: CA2776326A1] The invention relates to a drill (1) for producing a drilled hole in workpieces comprising fiber-reinforced plastic, having at least one main cutting edge (7, 7') on the end face, with at least one secondary cutting edge (19, 19'), provided in the region of a circumferential surface (17) of the drill (1), and having at least one circularly ground lands (29), circumferentially adjoining the at least one secondary cutting edge (19, 19'). The drill is characterized in that the circularly ground lands (29) extend over a first longitudinal section (31) in the front area of the secondary cutting edge (19), and in that, in a following second longitudinal section (35), a secondary flank (37) circumferentially adjoins the secondary cutting edge (19).

IPC 8 full level
B23B 51/02 (2006.01)

CPC (source: EP US)
B23B 51/02 (2013.01 - EP US); **B23B 2226/27** (2013.01 - EP US); **B23B 2226/275** (2013.01 - EP US); **B23B 2251/44** (2013.01 - EP US); **Y10T 408/81** (2015.01 - EP US); **Y10T 408/89** (2015.01 - EP US); **Y10T 408/909** (2015.01 - EP US); **Y10T 408/9095** (2015.01 - EP US)

Citation (search report)
See references of WO 2011038896A1

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 SE SI SK SM TR

DOCDB simple family (publication)
DE 102009049087 A1 20110407; **DE 102009049087 B4 20110630**; **DE 102009049087 C5 20180208**; BR 112012009028 A2 20161122; CA 2776326 A1 20110407; CA 2776326 C 20170613; CN 102648065 A 20120822; CN 102648065 B 20160824; EP 2483024 A1 20120808; JP 2013506562 A 20130228; JP 5877789 B2 20160308; MX 2012003690 A 20120420; MX 341860 B 20160906; US 2012183367 A1 20120719; US 9073130 B2 20150707; WO 2011038896 A1 20110407

DOCDB simple family (application)
DE 102009049087 A 20091002; BR 112012009028 A 20100929; CA 2776326 A 20100929; CN 201080054566 A 20100929; EP 10768399 A 20100929; EP 2010005938 W 20100929; JP 2012531278 A 20100929; MX 2012003690 A 20100929; US 201013498637 A 20100929