

Title (en)  
CUT FOR A GEMSTONE

Title (de)  
SCHLIFF FÜR EINEN EDELSTEIN

Title (fr)  
COUPE POUR UNE GEMME

Publication  
**EP 3804553 A1 20210414 (EN)**

Application  
**EP 19202573 A 20191010**

Priority  
EP 19202573 A 20191010

Abstract (en)  
A gemstone comprising a crown and a girdle at which the gemstone has its largest transverse dimension, the crown comprising first set of main crown facets and a second set of crown facets meeting at an apex of the crown; and optionally a third set of crown facets inclined relative to the plane of the girdle and alternating with the first crown facets around the perimeter of the crown. Methods of improving the optical properties of a gemstone and articles incorporating the gemstone are also described.

IPC 8 full level  
**A44C 17/00** (2006.01)

CPC (source: EP)  
**A44C 17/001** (2013.01); **A44C 17/008** (2013.01)

Citation (applicant)  

- WO 2015027252 A1 20150305 - SWAROWSKI KG D [AT]
- EP 1725502 A1 20061129 - SWAROVSKI & CO [AT]
- EP 2625149 A1 20130814 - PRECIOSA AS [CZ]
- MOSES ET AL., GEMS & GEMOLOGY, vol. 40, no. 3, 2004, Retrieved from the Internet <URL:https://www.qja.edu/qems-qemology/fall-2004-grading-cut-quality-brilliant-diamond-moses>
- J. SASIAN ET AL.: "Optical Engineering", vol. 46, 2007, AMERICAN GEMOLOGICAL SOCIETY, article "Evaluation of brilliance, fire, and scintillation in round brilliant gemstones", pages: 093604
- P. YANTZER ET AL., FOUNDATION, RESEARCH RESULTS AND APPLICATION OF THE NEW AGS CUT GRADING SYSTEM, Retrieved from the Internet <URL:https://cdn.vmw.com/www.americanqemsociety.org/resource/resmgr/docs/AGSLab/AGS-Cut-System.pdf>

Citation (search report)  

- [X1] US 2270270 A 19420120 - PHILIP CLARE
- [X1] US 3796065 A 19740312 - WATERMEYER B

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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