

Title (en)

PROCESS FOR APPLYING ENGRAVINGS ON THE SURFACE OF AN ICE BODY, IN PARTICULAR A TRANSPARENT ICE BODY,

Title (de)

VERFAHREN ZUM ANBRINGEN VON GRAVUREN AUF EINE OBERFLÄCHE EINES EISKÖRPERS, INSBESONDERE EINES SOLCHEN AUS KLAREIS,

Title (fr)

PROCEDE POUR APPLIQUER DES GRAVURES SUR UNE SURFACE D'UN CORPS DE GLACE, NOTAMMENT UN CORPS DE GLACE TRANSPARENT,

Publication

EP 0603258 B1 19970611 (DE)

Application

EP 92919168 A 19920909

Priority

- DE 4130055 A 19910910
- DE 9200766 W 19920909

Abstract (en)

[origin: US5431024A] A pair of ice bodies each have a planar surface which are warmed to melt the surface. Then at least one of the surfaces is provided with a cavity engendered by the application of a dimension controlled heat source, suitably by engraving with a heated relief formed die-like tool having a metal engraving element of a given design. The engraving element is warmed above the ice melting temperature and brought into contact with a planar surface of the surface of the ice body so that the element melts away portions of the ice body in the area of the element and the melt water is simultaneously removed by gravity, a vacuum or by a blast of cold air. When the desired engraving depth has been attained, the planar surfaces of the ice bodies to be mated are wetted by warming and are pressed together and if needed, cooled to freeze the interface producing an assembled ice body with an internal engraving and a transparent seam. Both bodies can be engraved in mirror image fashion with the engravings aligned and mated to form a single engraving in the composite body. The engraving brilliantly stands out from its surroundings in a drink medium because of the different light refractive indices.

IPC 1-7

A23G 9/02; **A23G 3/28**; **B44C 5/06**

IPC 8 full level

A23G 9/32 (2006.01); **A23G 3/28** (2006.01); **A23G 9/44** (2006.01); **A23G 9/52** (2006.01); **B44C 1/22** (2006.01); **B44C 5/06** (2006.01)

CPC (source: EP US)

B44C 1/225 (2013.01 - EP US); **B44C 5/06** (2013.01 - EP US); **F25D 2303/081** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

US 5431024 A 19950711; AT E154199 T1 19970615; DE 4130055 A1 19930311; DE 59208614 D1 19970717; DK 0603258 T3 19971229; EP 0603258 A1 19940629; EP 0603258 B1 19970611; ES 2104942 T3 19971016; JP 3207856 B2 20010910; JP H07501279 A 19950209; WO 9304591 A2 19930318; WO 9304591 A3 19930415

DOCDB simple family (application)

US 21660294 A 19940309; AT 92919168 T 19920909; DE 4130055 A 19910910; DE 59208614 T 19920909; DE 9200766 W 19920909; DK 92919168 T 19920909; EP 92919168 A 19920909; ES 92919168 T 19920909; JP 50483693 A 19920909