

Title (en)

METHOD FOR SCALARLY MULTIPLYING POINTS ON AN ELLIPTIC CURVE

Title (de)

VERFAHREN ZUR SKALARMULTIPLIKATION VON PUNKTEN AUF EINER ELLIPTISCHEN KURVE

Title (fr)

PROCEDE DE MULTIPLICATION SCALAIRE DE POINTS SUR UNE COURBE ELLIPTIQUE

Publication

**EP 1920323 A1 20080514 (DE)**

Application

**EP 06777699 A 20060711**

Priority

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Abstract (en)

[origin: WO2007025796A1] The invention relates to a method for scalarly multiplying points on an elliptic curve by a finite expandable field K of a first field  $F_{p^d}$  of a  $p > 3$  characteristic, wherein said characteristic p has low Hamming weight and the expandable field has a polynomial  $F(X) = X^d$  of order d in the polynomial representation thereof.

IPC 8 full level

**G06F 7/72** (2006.01)

CPC (source: EP US)

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