

Title (en)  
THERMAL-IMAGE PICK-UP TARGET

Publication  
**EP 0019911 B1 19820825 (DE)**

Application  
**EP 80102968 A 19800528**

Priority  
DE 2922031 A 19790530

Abstract (en)  
[origin: US4319135A] A target plate for converting information-carrying thermal radiation to a storable or visual form is a carrier comprising the conversion layer having a grid thereon formed by adjoining regular polygons the borders of which are defined by an array of holes in the conversion layer. The holes may be aligned points or rectangular slots, and are arranged in the conversion layer to minimize lateral thermal transfer within the conversion layer, thereby separating the conversion processes within the conversion layer and resulting in improved resolution of the converted image. For use in a pyroelectric thermal vidicon an electrode layer is applied to one surface of the target plate.

IPC 1-7  
**H01J 29/45**; **H01J 29/00**

IPC 8 full level  
**G01J 5/48** (2006.01); **H01J 29/45** (2006.01)

CPC (source: EP US)  
**H01J 29/458** (2013.01 - EP US)

Citation (examination)  
DE 2223288 A1 19721130 - THOMSON CSF

Cited by  
FR2492160A1

Designated contracting state (EPC)  
FR GB

DOCDB simple family (publication)  
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**EP 80102968 A 19800528**; DE 2922031 A 19790530; JP 7130280 A 19800528; US 14574680 A 19800501