

1946

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PRICER ART:

See Cases S-480X and S-5277X

PROBABLE VALUE:

One proposed design for "Super"

RECOMMENDATIONS AND COMMENTS:

Filing is recommended if program for covering "Super" is carried through.

PROPOSED CLAIM:

The combination with a device for initiating a thermo-nuclear reaction which employs a quantity of fissile material adaptable to sustain a neutron induced divergent chain reaction, a massive quantity of material in which a thermo-nuclear reaction can be maintained

DECLASSIFIED

Authority NND 882020

By SAK NARA Date 1/11/94

Author: Herbert I. Miller
Date: 16 May 1946

Approved: Ralph Carlisle Smith

It has a May 6, 1952, (F) covering letter, Chron. order

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5/1292
1/19/46

DISCLOSURE

OSRD CASE NO: S-5002-K
PRIORITY: 1
INVENTORS: John von Neumann and Klaus E. J. Fuchs
SUBJECT: Method and Apparatus for Releasing Nuclear Energy
OBJECT:

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SENSITIVE INFORMATION DELETED

6.2(9)

are connected by conduits 13.

6.2(a)

John von Neumann

Klaus Fuchs

Disclosed to and understood by me
this 28 day of May 1946.

Louis F. Jacot

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OFFICE FOR EMERGENCY MANAGEMENT
OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT

(* SEE INSTRUCTIONS ON BACK)

CASE NO. S-5292X
Priority 1

(a) Inventor:

(1) Name(s): (1) John von Neumann
(2) Klaus E. J. Fuchs

(2) Title or position: Physicists
(3) Employed by: (1) Princeton University (2) British Mission
(4) Permanent address: 1 Princeton University, Princeton, N. J.
2 Birmingham University, Birmingham, England

(b) Title of Invention: (*1) Improvements in method and means for utilizing nuclear energy.

(c) Description of Invention: (*2) See attached.

(d) Dates and places of Invention on or about
(1) Conception by inventor: (*3) 18 Apr 46 at Los Alamos, N. M.
(2) First sketch or drawing: 18 April 1946 at Los Alamos, N. M.
(3) First written description: 18 April 1946 at Los Alamos, N. M.
(4) Disclosure to others: (*4) 18 April 1946 at Los Alamos, N. M.
(a) Edward Teller 18 April 1946, at Los Alamos, N. M.
(b) Robert Serber 18 April 1946, at Los Alamos, N. M.
(5) Completion of model or full sized device: _____ at _____
(6) First test or operation of inventions: _____ at _____

(e) Results of tests, and extent of use of invention: (*5)

(f) Names of persons having knowledge of facts stated under (d) and (e):

(g) Prior Reports: (*6)

(h) Other closely related patents and patent applications: (*7)

(i) Rights of U. S. Government:

(j) Licenses or Assignment:

(k) Contracts involved:
Contractor and address
Contract No. and date
Subject matter
Address of Plant
Type of contract: Restricted, Confidential or Secret

(l) Signature of witness and date: Signature of inventor(s) and date:

Louis F. Jacot
28 May, 1946
Herbert I. Miller 5 June 1946

John von Neumann, 28 May 1946
Klaus Fuchs 5th June 1946

Forwarded by (*8) Ralph Carlisle Smith on 6 June 1946
Major

2 - British Subject

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AUTHORITY TO BE EXERCISED BY R. E. O'BRIEN

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5/12/88