

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
X	EP 1 156 459 A2 (RUE DE INT LTD [GB]) 21 November 2001 (2001-11-21)	1-9	INV. D21H21/40 B42D25/21 G07D7/04 G07D7/12	
Y	* abstract; figures 1, 2 *	14		
A	* paragraph [0001] - paragraph [0006] * * paragraph [0018] - paragraph [0082] *	10-13		

X	US 2011/087440 A1 (LAU CARSTEN [DE] ET AL) 14 April 2011 (2011-04-14)	1-9		
A	* abstract; figure 1 * * paragraph [0006] - paragraph [0007] * * paragraph [0011] - paragraph [0023] * * paragraph [0026] - paragraph [0027] *	10-14		

X	US 2013/181144 A1 (RAPOPORT WILLIAM ROSS [US] ET AL) 18 July 2013 (2013-07-18)	1-9		
A	* abstract; figures 1-7 * * paragraph [0002] - paragraph [0008] * * paragraph [0011] * * paragraph [0032] - paragraph [0046] * * paragraph [0104] *	10-14		

X	EP 1 646 057 A2 (EUROPEAN CENTRAL BANK [DE]) 12 April 2006 (2006-04-12)	1-8,10, 11,13	TECHNICAL FIELDS SEARCHED (IPC) G07D D21H B42D	
A	* abstract; figures 1-4 * * paragraph [0011] - paragraph [0014] * * paragraph [0023] - paragraph [0026] * * paragraph [0032] - paragraph [0076] *	9,12,14		

X	EP 1 548 657 A1 (EUROPEAN CENTRAL BANK [DE]) 29 June 2005 (2005-06-29)	1-5		
A	* abstract; figures 1-6 * * paragraph [0001] * * paragraph [0002] * * paragraph [0008] - paragraph [0017] * * paragraph [0019] - paragraph [0035] *	6-14		

-/--				
The supplementary search report has been based on the last set of claims valid and available at the start of the search.				
Place of search The Hague		Date of completion of the search 4 January 2018	Examiner Holzmann, Wolf	
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>..... & : member of the same patent family, corresponding document</p>				

1
EPO FORM 1503 03 82 (P04C04)

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 15 80 3898

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DE 29 09 731 A1 (OESTERR NATIONALBANK) 20 September 1979 (1979-09-20)	1-5,7, 10,13	
Y	* abstract; claims 1, 3, 4; figures 1, 2,	14	
A	6 * * page 3, line 1 - page 9, line 26 *	6,8,9, 11,12	
E	----- WO 2015/091745 A1 (SICPA HOLDING SA [CH]) 25 June 2015 (2015-06-25) * abstract; figures 1, 2 * * paragraph [0001] - paragraph [0059] * * claims 1-36 * -----	1-14	
			TECHNICAL FIELDS SEARCHED (IPC)
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search The Hague		Date of completion of the search 4 January 2018	Examiner Holzmann, Wolf
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1

EPO FORM 1503 03 82 (P04C04)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 80 3898

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-01-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1156459	A2	21-11-2001	AR 008214 A1	29-12-1999
			AT 220231 T	15-07-2002
			AU 2517397 A	07-11-1997
			BR 9708664 A	03-08-1999
			CA 2250828 A1	23-10-1997
			CN 1221505 A	30-06-1999
			DE 69713769 D1	08-08-2002
			DE 69713769 T2	07-11-2002
			EP 0898768 A1	03-03-1999
			EP 1156459 A2	21-11-2001
			ES 2179322 T3	16-01-2003
			HK 1018833 A1	08-11-2002
			JP 2000509174 A	18-07-2000
			KR 20000005449 A	25-01-2000
			NZ 331995 A	27-03-2000
			PL 329517 A1	29-03-1999
			PT 898768 E	29-11-2002
			RU 2160928 C2	20-12-2000
			US 6155605 A	05-12-2000
			WO 9739428 A1	23-10-1997

US 2011087440	A1	14-04-2011	CN 102667807 A	12-09-2012
			EP 2488990 A2	22-08-2012
			JP 5809631 B2	11-11-2015
			JP 2013508809 A	07-03-2013
			KR 20120089715 A	13-08-2012
			US 2011087440 A1	14-04-2011
			WO 2011046749 A2	21-04-2011

US 2013181144	A1	18-07-2013	CN 104160266 A	19-11-2014
			EP 2805152 A1	26-11-2014
			JP 6153948 B2	28-06-2017
			JP 2015505111 A	16-02-2015
			KR 20140107479 A	04-09-2014
			US 2013181144 A1	18-07-2013
WO 2013109497 A1	25-07-2013			

EP 1646057	A2	12-04-2006	NONE	

EP 1548657	A1	29-06-2005	AT 367626 T	15-08-2007
			DE 60315049 T2	10-04-2008
			EP 1548657 A1	29-06-2005
			ES 2287405 T3	16-12-2007
			WO 2005064551 A1	14-07-2005

DE 2909731	A1	20-09-1979	AT 362658 B	10-06-1981

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 15 80 3898

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

04-01-2018

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		DE 2909731 A1	20-09-1979

WO 2015091745 A1	25-06-2015	AU 2014368623 A1	07-07-2016
		CA 2934418 A1	25-06-2015
		CN 106029828 A	12-10-2016
		EP 3083877 A1	26-10-2016
		ES 2647308 T3	20-12-2017
		JP 2017512214 A	18-05-2017
		KR 20160101102 A	24-08-2016
		TW 201525088 A	01-07-2015
		US 2015177153 A1	25-06-2015
		WO 2015091745 A1	25-06-2015
