

INFORME DE BÚSQUEDA DE PATENTES

Nº de solicitud: NC20170005416

CRITERIOS PARA LA BÚSQUEDA (anexar pantallazo o reporte en PDF, junto con los boléanos utilizados)**

Palabras clave utilizadas	Phenyl Compounds; Aldehyde Moieties; Perfumery; household care products.
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CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA	CIP: C11B 9/00.
	CPC (Opcional):

DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)	

Informes/Base de datos	N° de solicitud/ Autor*	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (con indicación, si procede, de las partes relevantes)	Categoría especiales de los documentos citados**
	US6313354	06/Noviembre/2001	1 (Novedad)	X
	US5527769	18/Junio/1996	No aplica	A
ORBIT, fivePoffices – CCD, ESPACENET, EPOQUENET y USPTO	WO2013045301	4/Abril/2013	No aplica	A
	WO2013113533	8/Agosto/2013	No aplica	A
	US4486607	4/Diciembre/1984	No aplica	A

** Categorías especiales de documentos citados:	

“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.	“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.
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“A” documento que define el estado general de la técnica no considerado como particularmente relevante. “E” solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. “P” documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.	“X” documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. “Y” documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.
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Literatura no patente *Se incluye entre otros, toda la referencia de la literatura no patente.	--
Fecha del reporte de búsqueda:	21/Febrero/2019

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ORBIT

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Patent family searches (FamPat)

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Semantic search	10	6307	PERFUMERY/B1/SAIN/PA	Easy search	FAMPAT	Show results Modify Save Alert Delete
Assignee search	9	7864	(ALDEHYDE AND MOIETIES)/B1/S KEY/WIN/PA	Easy search	FAMPAT	Show results Modify Save Alert Delete
Number search	8	72474	(PHENYL S COMPOUNDS)/B1/SAIN/PA	Easy search	FAMPAT	Show results Modify Save Alert Delete

Easy search Save strategy

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Filter options

1st application year

- After 2015 (0)
- 2011-2015 (1)
- 2006-2010 (0)
- 2001-2005 (0)
- Before 2001 (1)
- More...

Assignee

- FIRMENICH (1)
- GIVAUDAN (1)

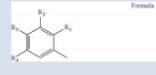
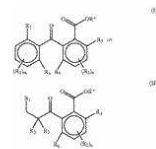
Litigations

Oppositions

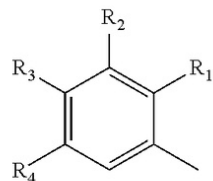
IPC classification

US classification

2 results for 8 AND 9 AND 10 - Collection: FAHPAT

#	Title	Publication number	1st app. date	Applicant/Assignee	Litigation
1	Phenyl based compounds substituted with aldehyde moieties and their use in perfumery	WO2016074865	2014-11-10	GIVAUDAN*	
A compound represented by the formula I, wherein R1 is H, or when R2 and R3 is H, then R1 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R2 is H, or when R1 and R3 is H, then R2 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R3 is H, or when R1 and R2 is H, then R3 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; and R4 is methyl or a branched or linear, saturated or unsaturated, unsubstituted or substituted (optionally with cyclopropyl groups), C2-C7 alkyl or alkenyl residue, preferentially isobutyl, isoamyl. Said compounds are useful as perfume ingredients in personal care and household care products. 					
2	Slow release of fragrant compounds in perfumery using 2-benzoyl benzoates, 2-alkanoyl benzoates or alpha-keto esters	WO9960990	1990-05-28	FILMENTSU SOCIETE ANONYME FIRMENICH*	
The present invention describes a fragrance delivery system which releases fragrant alcohols upon exposure to light. Said system comprises 2-benzoyl benzoates of general formulae (I) or (II) which can comprise various substituents R>1<-R>5< as defined in the application and a substituent R* which is the organic part of a fragrant alcohol R*OH. In a further embodiment, the present invention describes a fragrance delivery system which releases fragrant aldehydes or ketones and/or fragrant compounds containing an olefin function. This system comprises alpha-keto esters of formula (III) in which R* and R** have the meaning as defined in the application and which are generally, in case of R*, an alkyl group carrying an abstractable hydrogen in gamma-position relative to the alpha-keto function and carrying a moiety from which is derived a fragrant compound containing an olefin function, and, in case of R**, the organic part of a primary or secondary alcohol from R**OH which is derived a fragrant aldehyde or ketone. 					

Phenyl based compounds substituted with aldehyde moieties and their use in perfumery



ESPACENET

Cited in

International search

[XI] [US5527769](#) (WINTER BEAT [CH], et al) [X] 1-8, 10-12 * column 5, compound IV; column 3, lines 34-47; column 4, lines 8-11; scheme 1; example 6; claims 1-6 * [I] 9;

[XI] [DE3703584](#) (CONSORTIUM ELEKTROCHEM IND [DE]) [X] 1, 3-5 * page 5, lines 19-41; claims 1-8 * [I] 6-12;

[A] [WO2009027957](#) (PROCTER & GAMBLE [US], et al) [A] 1-12 * table 1 *

[X] - G. SKOUROUMOUNIS ET.AL., "96. Synthesis of 1,3,4,5-tetrahydro-2-benzoxepin derivatives as conformationally restricted analogues of cyclamaldehyde-type compounds and as intermediates of highly odour-active homologues", HELVETICAL CHIMICA ACTA, (1996), vol. 79, pages 1095 - 1109, XP002752190 [X] 1-5 * page 1099, scheme 4, compounds 15a-d; table 1, compound 15a; table 2, compound 17a * [I] 6-12

DOI: <http://dx.doi.org/10.1002/hlca.19960790418>

[X] - HUOJI CHEN ET.AL., "Facile synthesis of (E)-alkenyl aldehydes from allyl arenes or alkenes via Pd(II)-catalyzed direct oxygenation of allylic C-H bond", ORGANIC LETTERS, (2011), vol. 13, pages 992 - 994, XP002752191 [X] 1 * table 2, compound 2i *

DOI: <http://dx.doi.org/10.1021/ol1030316>

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15/516,810
Phenyl Based Compounds Substituted with Aldehyde Moieties and their Use in Perfumery
102790-421

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10-26-2018	ADS	Application Data Sheet	PROSECUTION	8	☐
10-26-2018	ADS	Application Data Sheet	PROSECUTION	9	☐
10-26-2018	IDS	Information Disclosure Statement (IDS) Form (SB08)	PROSECUTION	5	☐
10-26-2018	FOR	Foreign Reference	PRIOR ART	22	☐
10-26-2018	FOR	Foreign Reference	PRIOR ART	50	☐
10-26-2018	FOR	Foreign Reference	PRIOR ART	27	☐
10-26-2018	NPL	Non Patent Literature	PRIOR ART	12	☐
10-26-2018	NPL	Non Patent Literature	PRIOR ART	4	☐
10-26-2018	NPL	Non Patent Literature	PRIOR ART	10	☐

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Database: EPODOC

Records: 111.129.295

Terms: 1.470.659.091

Occurrences: 22.460.642.419

Last Update: 20181106

[EPODOC: SS 1] Phenyl Compounds

Results in EPODOC 0

EPODOC: term 'PHENYL COMPOUNDS' not found in index 'BI'. *WARNING(1)*

[SS 2] Phenyl and Compounds

Results in EPODOC 65.836

[SS 3] Aldehyde

Results in EPODOC 55.996

[SS 4] Perfumery

Results in EPODOC 2.667

[SS 5] 2 and 3 and 4

Results in EPODOC 12

[SS 6] care and products

Results in EPODOC 18.175

[SS 7] 5 and 6

Results in EPODOC 4

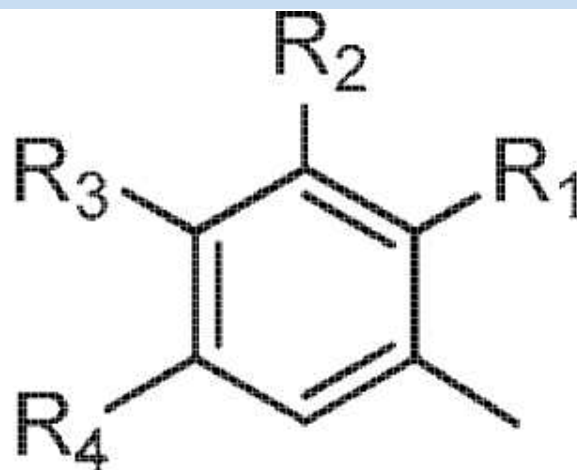
[SS 8] ..li ti ab pn



TI - **Phenyl Based Compounds** Substituted with **Aldehyde** Moieties and their Use in **Perfumery**

AB - Said **compounds** are useful as perfume ingredients in personal **care** and household **care products**.

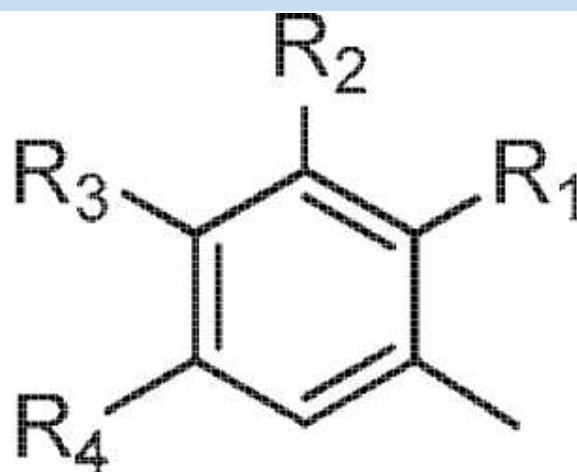
PN - [US2017298291](#) A1 20171019



Formula 1

TI - **PHENYL BASED COMPOUNDS** SUBSTITUTED WITH **ALDEHYDE** MOIETIES AND THEIR USE IN **PERFUMERY**.

AB - A compound represented by the formula 1, wherein R1 is H, or when R2 and R3 is H, then R1 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R2 is H, or when R1 and R3 is H, then R2 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R3 is H, or when R1 and R2 is H, then R3 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; and R4 is methyl or a branched or linear, saturated or unsaturated, unsubstituted or substituted (optionally with cyclopropyl groups), C2-C7 alkyl or alkenyl residue, preferentially isobutyl, isoamyl. Said **compounds** are useful as perfume



Formula 1

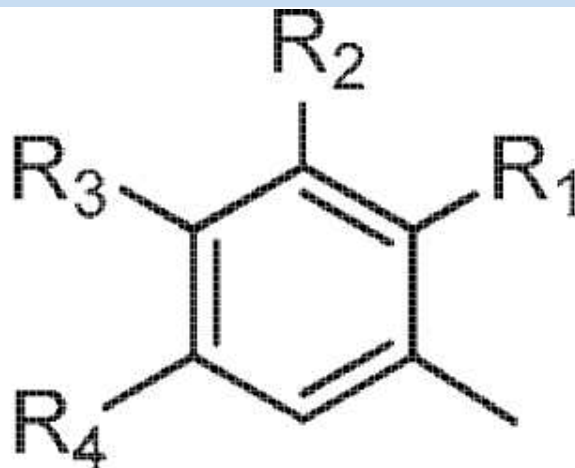
ingredients in personal **care** and household **care products**.

PN - [MX2017004717](#) A 20170726

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TI - **Phenyl based compounds** substituted with **aldehyde** moieties and their use in **perfumery**

AB - A compound represented by the formula 1, wherein R1 is H, or when R2 and R3 is H, then R1 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R2 is H, or when R1 and R3 is H, then R2 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R3 is H, or when R1 and R2 is H, then R3 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; and R4 is methyl or a branched or linear, saturated or unsaturated, unsubstituted or substituted (optionally with cyclopropyl groups), C2-C7 alkyl or alkenyl residue, preferentially isobutyl, isoamyl. Said **compounds** are useful as perfume ingredients in personal **care** and household **care products**.



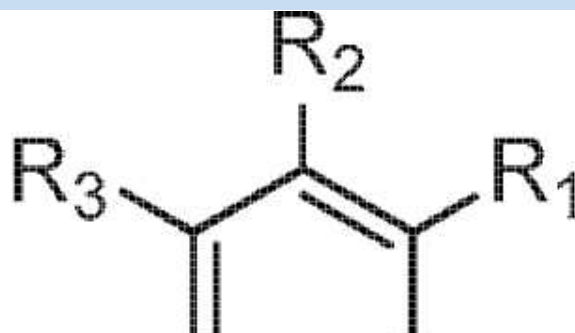
Formula 1

PN - [CN107074713](#) A 20170818

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TI - **PHENYL BASED COMPOUNDS** SUBSTITUTED WITH **ALDEHYDE** MOIETIES AND THEIR USE IN **PERFUMERY**

AB - A compound represented by the formula 1, wherein R1 is H, or when R2 and R3 is H, then R1 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each



independently may represent H or methyl; R2 is H, or when R1 and R3 is H, then R2 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; R3 is H, or when R1 and R2 is H, then R3 is CHR5CHR6CHO, CR5=CR6CHO or C(CH3)CHO, wherein R5, R6 each independently may represent H or methyl; and R4 is methyl or a branched or linear, saturated or unsaturated, unsubstituted or substituted (optionally with cyclopropyl groups), C2-C7 alkyl or alkenyl residue, preferentially isobutyl, isoamyl. Said **compounds** are useful as perfume ingredients in personal **care** and household **care products**.

PN - [WO2016074865](#) A1 20160519

[SS 8]

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Number: Search examples: EP1612402, US2006000447A1, JP20090214944

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WO2012172120.A2 (WO2014CN90675) [also published as] **US6313354.B1** (WO2014CN90675) [also published as]

« < **Biblio** Description Claims Original document > » « < **Biblio** Description Claims Original document > »

Bibliographic data: WO 2012172120 **A3** **Bibliographic data: US 6313354 (B1)**

#	CC	Cat.	Citation details	Claims
7	SG		Application N° SG20171102975U (SG11201702975U) ~	
8	WO		Application N° WO2014CN90675 (WOCN2014/090675)	
			International Search Report	
	X		US6313354 B1 (HENKEL KGAA [US]) - 6 November 2001 * see column 4, lines 1 - 48, examples 1 - 2; column 2, lines 1 - 4 *	
	X		WO2012172120 A2 (LONZA AG [CH]) - 20 December 2012 * see page 2, lines 21 - 24; page 18, lines 1 - 4 *	
	X		WO2013011156 A2 (LONZA AG [CH]) - 24 January 2013 * see page 2, lines 27 - 30; page 16, lines 7 - 8 *	
	A		US4113781 A (BASF AG) - 12 September 1978 * see examples *	
	E		WO2014180945 A1 (GIVAUDAN SA [CH]) - 13 November 2014 * see examples *	
	E		WO2014180952 A1 (GIVAUDAN SA [CH]) - 13 November 2014 * see examples *	
9	EP		Application N° EP20150780812 (EP15780812.2) - 9 October 2015	

Method for producing aromatic aldehydes

Publication date: 6 November 2001

Inventor(s): MARKERT THOMAS [DE]; NEMITZ RALPH [DE]

Applicant(s): HENKEL KGAA [US]

Classifications: **International:** A61K8/33; A61Q13/00; C07B61/00; C07C45/42; C07C45/45; C07C45/51; C07C45/62; C07C47/228; C07C47/232; C11B9/00